

SREESHA NATH

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EDUCATION

University of Colorado Boulder, Boulder, Colorado, M.S. in Computer Science	Aug, 2017 – May, 2019
MPSTME, NMIMS, Mumbai, India, B. Tech. in Computer Engineering	Aug, 2010 – June, 2014

TEACHING EXPERIENCE

CU Boulder, Co-Associate Chair for Undergraduate Education	July, 2022 – Present
<ul style="list-style-type: none">Chair the undergraduate committeeMaintain Undergraduate curriculumDetermine course schedules and enrolment capsCourses resource allocations – Faculty, Teaching assistants, Graduate course staffReview undergraduate student petitions – Override pre-requisites, transfer credit equivalency, grade appeals, additional attempt requestsAttend and participate at college level UEC meetingsRelease from major	
CU Boulder, Assistant Teaching Professor	Aug, 2019 – Present
<ul style="list-style-type: none">Courses taught/teaching :<ul style="list-style-type: none">CSCI 3308: Software Development Methods and Tools<ul style="list-style-type: none">Taught in Fall 2019, Spring 2020, Summer 2020, Fall 2020, Spring 2021, Fall 2021, Fall 2022, Spring 2023, Fall 2023Covers tools and techniques for successful software development with a strong focus on best practices used in industry.Students work on small teams and complete a semester-long application development project. Students learn front-end design and construction using HTML & CSS, back-end database design and construction, and full-stack integration.Students gain exposure to agile methodologies, web services, distributed version control, requirements definition, automated integration testing, docker and cloud-based application deployment.CSCI 3010: Programming Project workshop: Object-Oriented Workshop<ul style="list-style-type: none">Taught in Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Spring 2023Explores concepts and techniques for design and construction of larger, reliable, and maintainable software systems.Covers various topics including specifications, program structure and design, program-correctness approaches, and working with established code bases.Emphasizes coding individually and in pairs and includes multiple weeks-long projects.CSPB 3308: Software Development Methods and Tools<ul style="list-style-type: none">Taught in Fall 2021, Summer 2023Similar to CSCI 3308It is a completely asynchronous class with students who are currently full-time employed	
CU Boulder, Graduate Part Time Instructor - Senior Projects	Aug, 2018 – May, 2019
<ul style="list-style-type: none">Ran a capstone course for 100 senior students with the help of a co-instructor and 3 TAs18 projects developed and delivered with sponsorship from the industry and university affiliatesPrepared them to work in a real world work environment and setting their expectations from the industry	
CU Boulder, Graduate Part Time Instructor - Design & Analysis Of Data Systems	Jun, 2018 – Aug, 2018
<ul style="list-style-type: none">Taught a class over summer for 16 studentsRestructured the course curriculum to better suit the needs of the studentsDesigned assignments and projects	
CU Boulder, Teaching Assistant – Data Structures	Jan, 2018 – May, 2018
<ul style="list-style-type: none">Conducted recitation sessions that included teaching and exercises for a class of 45 sophomore and junior studentsGraded assignments by conducting interviewsInteracted with students during office hours to help understand concepts better	

INDUSTRY EXPERIENCE

S&P Global Market Intelligence, S&P Global Subsidiary, Hyderabad, India, Software Engineer	June, 2014 – July, 2017
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- Initiated the development of a shelved project and completed it in a span of 1 year
 - Reduced the turnaround time for the cost effective delivery of products to external clients by 30%
- Developed application add-ons to monitor timeliness and quality of product
- Client interaction to understand requirements and resolve conflicts to provide value added solutions
- Refactored and tuned legacy code to reduce processing time
- Performed multi-level testing to produce quality output
- Coached team members about the products and guided them to overcome roadblocks in project development
- Worked in an Agile model for development and pursued several roles in the scrum team
- Developed services to facilitate data delivery to Thomson Reuters after which the company tied up with S&P Global for this product

NWDCo - Complete Web & IT Solutions (Start-up), Mumbai, India, Software Engineering Intern

May, 2013 - July, 2013

- Engineered mobile web applications using jQuery for 3 clients in a span of one month
- Enhanced performance of existing websites by reducing the loading time for the user interface
- Implemented offline saving of data using SQLite for websites to eliminate loss of data in case of disconnection from a wireless network which is now being used in all web and mobile web applications developed by the organisation
- Documented all developments for easier handoff and handy future reference

TECHNICAL SKILLS

- **Programming Languages:** Java, C#.Net, WPF, WCF, SQL, HTML5, CSS3, JavaScript, PHP, Python, C, C++, NodeJS
- **Databases:** MySQL, PostgreSQL, MSSQL, Oracle SQL
- **Development Methodologies:** Agile, SCRUM, Waterfall, Kanban
- **Visualization Tools:** Tableau, SketchEngine, D3.js

SERVICE TO THE DEPARTMENT/COLLEGE/UNIVERSITY

- Undergraduate committee (ongoing)
- Transfer credit evaluation (ongoing)
- Intro to Computing Committee (ongoing)
- Training and hiring TAs for the department (ongoing)
- Reviewing eligibility of MS applicants (ongoing)
- Faculty Working Group – Canvas grading – Part of BUS initiative (Fall 2023)
- Member of Executive Committee (AY 2021-2022)
- Member of Ad-hoc Budget Committee for CEAS (Fall 2020)

HONORS & LEADERSHIP SKILLS

- Successfully lead events as part of Employee Engagement Committee, for 400+ employees at S&P Global
- Honoured with ACE Awards for '**DRIVES PERFORMANCE**' and '**CHAMPION DIVERSITY AND INCLUSION**' at S&P Global
- Lead TA for the Computer Science Department ('18-'19) at CU Boulder for over 70 TAs
- Received '**OUTSTANDING GRADUATE PART TIME INSTRUCTOR AWARD**' in Spring 2019 for AY 2018-19