

PREETI BHATTACHARYA

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EDUCATION

George Mason University

Master of Science in Computer and Information Science (GPA:3.7/4)

Virginia, USA

2021 - 2023

Chhattisgarh Swami Vivekanand Technical University

Bachelor of Engineering in Computer Science and Engineering (CGPA:8.8/10)

Raipur, India

2013 - 2017

PROFESSIONAL EXPERIENCE

Hubbell Inc.

Virginia, USA

Software Engineer | JAVA | Junit | SpringBoot | MYSQL | Hibernate | Angular | Azure

June 2023 - Present

- Refactoring 12-year-old monolithic code base to improve maintainability, and enhance overall project efficiency by 32%.
- Engaged with the constant creation and upkeep of web application that serves as the central hub for all data sent to IoT devices.
- Software Engineer-Intern
Feb 2023 - May 2023
- Built an Eclipse Leshan-inspired IoT device management system for monitoring sensor data utilizing the CoAP protocol.

Spacee Inc.

Texas, USA

Software Engineer-Intern | TypeScript | Jest | GitLab | Azure | Jira | Confluence

Jun 2022 - Dec 2022

- Contributed to IoT device software development for shelf-level inventory analysis, delivering insights through a cloud-based management system.
- Resolved bugs and coding concerns to optimize responsiveness and efficiency by 22% of both IoT devices and web applications.

Cerence Inc.

Pune, India

Software Quality Assurance Analyst | Python | NLU | Jira

Dec 2020 - Jul 2021

- Enhanced Volkswagen's Automatic Speech Recognition by 25% through NLU mapping, automating 75% of functions using Python.
- Integrated country-specific accent commands into Automatic Speech Recognition via NLU, boosting accuracy by 80%.
- Orchestrated end-to-end processes, encompassing requirement analysis, testing, implementation, and validation of embedded speech systems across Volkswagen automakers. Managed code in GIT, and tracked progress via Jira.
- Award: Defect hunter and ranked 7th out of 40 teams at the Cerence Speech Recognition Hackathon.

Atos

Pune, India

Associate Consultant-2 | Java | AGILE | Selenium | JavaScript | Cucumber | Jenkins

Mar 2018 - Dec 2020

- Managed a team of 4 in Agile and implemented a data-driven framework for ENS in FedEx. Developed automated AEM emails, and maintained them in SVN and its data in Oracle SQL.
- Enhanced efficiency by 75% via Java, Selenium, and TestNG scripts, integrating SoapUI for API. Reduced redundancy by 30% with Jenkins pipeline setup and root cause analysis.
- Led Agile practices, contributing to daily activities, sprint planning, and tracking. Utilized JavaScript, Cucumber, and Protractor for GUI and Postman for API mapping in FedEx's Pricing division.
- Award: Great Leadership, Quality Award, Best Entrepreneur, Best Employee (Fresher), 3rd out of 150 teams in the ML Hackathon.

Amazon

Pune, India

CS Associate | Problem Resolution | Teamwork

Jun 2017 - Feb 2018

- Handled proactive issue resolution for 100 weekly customers, monitored satisfaction and devised improvement strategies.
- Award: Best Performer and Valuable Player for performing best in the team.

PROJECTS

Mars-Rovr Photos API

Spacee, USA, 2022

- Developed a React front-end and Node.js (Express) back-end system displaying images based on a user-input date through NASA API calls with caching. Employed Docker for image creation, integrating linters, and prettier for code quality.

Student Survey Application-V1

GMU, USA, 2022

- Crafted a student survey application with an Angular-based front end and a Spring Boot platform for the back end, utilizing RESTful Web Services and JDBC. Leveraged MySQL DB to efficiently store student data.

Student Survey Application-V2

GMU, USA, 2022

- Created a React and Node.js app with an HTML & CSS survey form, utilizing MySQL on AWS RDS for data storage. Dockerized front and back ends, followed by Kubernetes deployment via Rancher on AWS EC2, enhancing scalability and efficiency.

TECHNICAL SKILLS AND CERTIFICATIONS

- Languages & Databases**: Java, Python, JavaScript, SQL, TypeScript, HTML, CSS, XML, C++, C, Gherkin.
- Tools & Frameworks**: AWS (S3, EC2, RDS), Azure, Jenkins, GitHub, SVN, Docker, Kubernetes, Kafka, Spring Boot, AEM, REST APIs, Angular, NodeJS, React, Jira, Confluence, Selenium, Cucumber, SoapUI, Postman, TestNG, Jest, Junit, Jasmine.
- Concepts**: OOPs, Algorithms, Data Structure, DevOps, Agile/Scrum, SDLC, STLC, Defect Life Cycle.
- Certifications**: Agile as SAFe 4 Practitioner, Java with Junit, TypeScript, DevOps, GIT, Python, Machine Learning-1, and UNIX.