

Sudhanva Paturkar

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Education

Khoury College of Computer Sciences, Northeastern University

September 2023 - Expected May 2025

Master of Science in Computer Science, GPA - 3.91

Nagpur University

August 2017 - June 2021

Bachelor of Engineering in Computer Technology, GPA - 3.71

Experience

Accenture

December 2022 - May 2023 | India

Senior Full-Stack Developer

- Enhanced document processing efficiency by implementing optimized API polling, resulting in a 20% reduction in page load times.
- Wrote image processing algorithms to convert signature images into their dark mode versions, enhancing the visual appeal of the web application.
- Spearheaded the development of automated unit and integration tests utilizing JUnit4 and Selenium frameworks, resulting in a 40% decrease in regression issues and ensuring code reliability.
- Integrated AI-based document processing APIs into a React-based single-page application, enhancing its functionality and user experience.

Accenture

June 2021 - November 2022 | India

Full-Stack Developer

- Collaborated on a online document signing solution, addressing 24 customer-reported defects and bugs to enhance product stability and user experience.
- Designed and integrated 3 advanced API functionalities for document processing using Amazon Elastic-Search, complemented by the implementation of a Splunk dashboard to monitor system performance metrics.
- Led code review sessions and implemented performance optimizations, resulting in a 15% decrease in application response times, enhancing overall user satisfaction and system efficiency.
- Achieved the Accenture Pinnacle Award for contribution in the Product Engineering department for FY22-Q4.

Sacchidanand Utech

May 2019 - November 2019 | India

Software Development Intern

- Created a web-based dashboard for smart home automation tools, managing sensor data for smart home analytics.
- Utilized ReactJS for lightweight dashboards following MVC principles.
- Led a team of 10 interns and conducted regular scrum meetings to efficiently deliver output and meet deadlines.
- Achieved the Best Intern for best performance and most contributions made towards product development.

Projects

Image Processing REST APIs and React based Consumer

December 2023

- Developed a scalable image processing RESTful API service using Java Spring Boot with MVC architecture, accompanied by a streamlined Swagger UI for intuitive interaction.
- Used AWS EC2 (Elastic Cloud Compute) to deploy the REST APIs and setup a CI/CD pipeline.
- Devised a React based UI to showcase the APIs functionality using complex state management.
- Configured monitoring and alerting using AWS CloudWatch to identify and address performance issues and downtime.

DoubtStack

May 2022

- Designed and developed a comprehensive doubt-solving forum using the MERN stack, complete with a robust testing suite and Docker containerization, ensuring seamless deployment.
- Implemented performance enhancing techniques like cache-management and pagination.
- Integrated security features like JWT token based session management, 2 factor auth, logging middle-ware and rate limiting to ensure that the app is production ready.
- Coded a test suit with over 120 unit tests in Jest covering every aspect of functionality and over 50 Cypress tests to test end to end functionality of the app that provides coverage of 90% .

Technical Skills

Languages: Java, JavaScript, HTML, CSS

Developer Tools: Postman, Git, GitHub, Docker, Google Cloud Platform, AWS, Maven

Frameworks: ReactJS, NodeJS, Java Servlets, Spring Boot, Selenium, Junit4, Cypress

Databases: MySQL, MongoDB, Firebase

Others: Agile development, Linux, Distributed Systems, Scrum Methodology, CI/CD

Certifications: (AWS) Amazon Web Services Certified Developer Associate