

Debdyuti Das

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EDUCATION

California State University - Fullerton

Master of Science in Computer Science

Fullerton, CA, USA

Aug. 2022 – May 2024

Nitte Meenakshi Institute of Technology

Bachelor of Engineering in Computer Science

Bangalore, India

Aug. 2016 – July 2020

EXPERIENCE

Research Assistant

Social Science Research Center, CSUF

May 2023 – Sep. 2023

Fullerton, CA

- Conducted in-depth data analysis manipulating data sets to assess 116 colleges' performance metrics in collaborative, cross-functional and fast-paced environment
- Employed execution of software/scripts written in Python and effectively communicated technical ideas through technical proposals, design specs, architecture diagrams and presentations

Senior Software Developer

Infosys

Oct. 2020 – July 2022

Bangalore, India

- Boosted micro-services leveraging object-oriented design by contributing to architecture, design patterns, reliability, and scaling of system's major features and increasing product adoption rate by 38%
- Implemented Spring micro service-based architecture and extensible REST APIs, Java framework boosting efficiency by 40% and created 30+ REST web services improvising caching and SQL query optimization by 10%
- Spearheaded the construction of JUnit scripts for developing automated tests and integrating them into continuous integration frameworks with minimal defects resulting in 30% decrease in software bugs and collaborated in mentoring colleagues and junior engineers
- Optimized performance by 40% through the implementation and tracking of CI/CD pipelines monitoring tools like Jenkins; incorporated agile methodology of documentation, code reviews and code coverage measurement to drive a software development life cycle and achieved 20% increase in consistent software delivery and deployment

Full Stack Developer Intern

Infosys

Jan. 2020 – Mar. 2020

Mysore, India

- Developed Single page application and database design with Spring Boot, J2EE and Angular2+ increasing user engagement by 100x interacting with internal customers and translating requests into prioritized work or features
- Engineered a suite of 10+ RESTful APIs, leveraging system functionality and leading to 30% and experience in diagnosing, troubleshooting and resolving performance issues

PROJECTS

Wordle Web Back-End API | *Python, REST API, Redis, OAuth2* | GitHub Link

- Supported responsive web development application like a game with functionality improvement to support up to 10,000 concurrent users and reduced load time by 50%
- Implemented GitHub OAuth2 to get data from user's repositories understanding key performance indicators

Secure File System on Cloud | *Python, Flask, AWS Cloud* | GitHub Link

- Designed cloud application for encryption and decryption of data using cryptography algorithms with hands-on experience with AWS cloud technologies
- Reduced decryption time by 50% with knowledge of cloud networking and virtualization techniques

Paytm Wallet Creation End to End | *JavaScript, Next.js, Docker, PostgreSQL, AWS Cloud* | GitHub Link

- Developed and implemented end-to-end system design for Full stack project with software engineering principles
- Optimized user experience, resulting in a 40% increase active users maintaining and scaling application

TECHNICAL SKILLS

Languages/Frameworks: Core Java 8, Python, C++, GoLang, C, HTML5, JavaScript, TypeScript, XML, JSON, SQL Server, MySQL, SQLite, MongoDB, SQL, DynamoDB, Spring Boot, React, AngularJS, Node.js, Redis, REST, SOAP, Flask, JUnit, Mock, Hadoop, Spark, Apache Kafka Streams, Cucumber

Developer Tools/IDE: Amazon EC2, Amazon S3, Azure, GCP, Tableau, Postman, JSON, Linux, Windows

Continuous Integration and Continuous Delivery (CI/CD) Tools: Git, Docker, GitLab, Github, Jenkins, Kubernetes, Terraform, Nginx, Bitbucket, Maven, Gradle, JIRA, Heroku, Selenium

Open-Source Contribution: Participated in Zerocode open-source project for code reviews, bug fixes, and feature enhancements, knowledge of Spring, Spring Boot, Spring MVC, Spring Security, Spring Data and Spring Integration