AITIK DANDAPAT

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EDUCATION

MS in Computer Science (*Stony Brook University, New York - SUNY*)   2024-2026
B. Tech in Computer Sci. & Engg. (*Veer Surendra Sai University of Technology*)   2018-2022 (9.06 CGPA)
Intermediate & Matriculation (*Atomic Energy Central School*)   2018 (92.0%) & 2016 (95.0%)

WORK EXPERIENCE

Software Engineer II
Red Hat | **Jira & Confluence**

Jan 2023 – May 2024
Pune, India

● Spearheaded the transition of **Jira and Confluence** instances, overcoming key obstacles and **automating 90% of data migration processes for plugins**, cutting manual work by 50%.
● Built a custom plugin with scripted fields to fulfill security standards, **enhancing data precision by 30%.**
● Engineered and deployed **more than five unique Jira plugins** in Java and Groovy, elevating system capabilities and raising user satisfaction by 25%.
● Designed automation protocols that **decreased manual workload by 40%** and lifted **team efficiency by 15%**.
● Constructed and managed over **10 RESTful APIs** to enable smooth third-party integration, streamlining instance migration, and **boost data consistency by 35%**.

Software Engineer I
Red Hat | **Bugzilla**

Jun 2022 – Dec 2022
Pune, India

● Linked Jira with **open-source Bugzilla**, accelerating bug tracking by 20% and enhancing cross-platform communication by 30%.
● Delivered expert technical support and troubleshooting for Bugzilla, **achieving 30% faster issue resolution and increasing system uptime to 99.9%.**
● Collaborated with the QA team, **driving a 15% decrease in post-release defects** and securing high-quality software deployments.

TECHNICAL SKILLS

● **Languages**: Java, Python, C++, Perl, GoLang, SQL, BASH, Ruby
● **Technologies & Frameworks**: Aws Lambda, REST, Spring Boot, Docker, Kubernetes, Numpy, Flutter, React, Android Dev
● **Databases**: DynamoDB, MySQL, PostgreSQL, ElasticSearch, Apache Cassandra, Hadoop
● **Developer Tools**: Git, Jira, Confluence, Intellij, Kafka, Docker, Selenium, Jenkins, Postman, Grafana, , Salesforce, CRM, Junit, Unix
● **Cloud Platforms**: Amazon AWS EC2, S3, GCP Basics, Openshift, Openstack, Azure
● **Project Management**: Worked with Agile, Scrum, CI/CD

PROJECTS

Your Guide | *React.jS, Material UI, Postman, Node.js*
● Constructed a robust web application empowering users to effortlessly apply for job opportunities, actively participate in competitive contests, and knowledge enhancement through a vast library of 500 e-books and 1000 tutorials.

Crypto Dashboard Development | React.js, MongoDB, REST APIs
● Designed and developed a responsive cryptocurrency dashboard to track real-time market data and portfolio performance using React.js and MongoDB, integrating REST APIs for live updates and implementing user authentication for personalized experiences, showcasing expertise in full-stack development.

Distributed Banking Application using Modified Paxos Consensus Protocol | Golang, gRPC
● Designed an efficient consensus protocol that is fault tolerant upto f nodes at a time while maintaining data integrity and transaction atomicity. Engineered robust synchronization mechanisms to handle server recovery and catch-up scenarios, ensuring system reliability and data consistency in dynamic network conditions.
● Leveraged gRPC for inter-server communication, enabling high-performance interactions in a distributed environment.

Topic Modeling and Sentiment Analysis in r/AskHistorians | *NLP, LDA, BERTopic, Python, Nltk, Pandas*
● Analyzed 200,000 Reddit posts from r/AskHistorians using advanced NLP techniques such as LDA and BERTopic, improving topic coherence by 47% and revealing emotional trends in discussions, enhancing historical discourse understanding.

CERTIFICATION & PUBLICATION

● **Certification:** Red Hat Certified Specialist in Containers and Kubernetes **&** Red Hat Certified OpenShift Administrator
● **ACM ICPC Regionalist 2020 –** Qualified for regionals from the Amritapuri region.
● **Global Rank – 6 (India Rank 4)**: Global Coding Challenge 2020, Credit Suisse
● **Winner (India Rank 1)** at the National Hackathon, HACKNITR, NIT Rourkela.