

SAYANTAN CHATTERJEE

BTech NIT Rourkela 2024

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Sayantan-Ch

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EXPERIENCE

Backend Developer

Deskling Pvt Ltd

September 2023 - Present

Bangalore, KA

- Manage the entire backend infrastructure, overseeing more than 100 services and handling a daily user volume of 50-60.
- Built and deployed backend services on AWS, utilizing EC2, S3 and MongoDB to ensure scalability and high availability for various media files used by the product and its users.
- Designed and implemented a notification system for users, enabling them to receive diverse information based on triggered operations.
- Developed a metadata-driven REST API for Analytics, allowing vendors to view user analytics based on different parameter combinations.
- Technologies Used: Node.js, Express.js, MongoDB, AWS.

Server Technology Intern

Oracle Pvt Ltd

May 2023 - July 2023

Bangalore, KA

- Developed a Metadriven search engine, enabling end users to integrate custom schemas and interact with the system through REST APIs. Achieved a remarkable 95% performance improvement by developing a high performance search engine capable of indexing millions of data points and delivering search times of <20ms, compared to the previous 350-500ms.
- Implemented and optimized custom analyzers, tokenizers, and robust security measures to enhance data ingestion processes and fortify application security.
- Conducted thorough profiling and optimization, reducing memory footprint from 700mb-1Gb to less than 20Mb and significantly improving overall system performance.
- Technologies Used: Java, Maven, Elastic Search Visual VM, Apache Lucene, RestAPI, Oracle DB, RestAPI, Tomcat .

Product Development Intern

Emids Technologies Pvt Ltd

May 2022 - July 2022

Bangalore, KA

- Developed a cost-effective medical imaging quality check solution, resulting in significant savings for clinical trials.
- Implemented user-friendly full-stack web application with dashboard for seamless access and management of MRI DICOM images.
- Technologies Used: ReactJS, CNN, Django, RestAPI, GCP, Firebase, DICOM.

EDUCATION

B.Tech in Electronics & Instrumentation Engineering

B.Tech in Computer Science Engineering (Minors)

National Institute Of Technology Rourkela

CGPA: 8.77

NITR-2024

Senior Secondary Examination CBSE - Class XII

The Brigade School

Percentage: 95.0%

CBSE-2020

TECHNICAL SKILLS

- Programming Languages:** Java, C, C++, Python, JavaScript, Go
- Fundamentals:** Data Structures & Algorithm, Database Management System, Object Oriented Programming, Software Development , Machine Learning .
- Frameworks:** ReactJS, Django, Flask, NodeJS, Maven, Gradle
- Tools:** Git, MySQL, MongoDB, Docker, Kubernetes, AWS, Firebase, Jira, Confluence

ACHIEVEMENTS

- Selected Zero-to-Merge Cohort'1 by Cloud Native Computing Foundation (CNCF) .**
- National Finalist in Code with Cisco'23.**
- National Finalist and Winner in Dr Reddy Digital Hackathon'23.**
- National Finalist in Incode Hackathon'23.**
- Finalist and Overall Rank 5 in Manipal M Hackathon'22.**
- Dean's Nominee of Technical Society.**

CODING PROFILE

Github: Sayantan-Ch

Leetcode: Sayantan_Ch

PROJECTS

Pharmark

- Developed ML LSTM model integrated into a web app for generating viable drug names based on country, prefix, and use case. Automated phonetic and viability checks, ensuring compliance with regulations and reducing rejection rates.
- Streamlined drug naming process, improving efficiency and accelerating drug development efforts. Saved valuable time and resources for pharmaceutical companies, resulting in cost savings.
- Increased first-time acceptance rates, enhancing marketability of drug names. Overall, the web app provided a valuable solution for the time-consuming and expensive drug naming process, saving thousands of dollars and years of effort.
- Technologies used - Python, Selenium, Django, Machine Learning, AWS.
- Sayantan-Ch/PHARMARK

Medipool

- Developed a Web-App that used Machine Learning to predict disease based on symptoms provided by user.
- Can suggest and book appointments with closest doctors in same specialty as diagnosed by the application.
- Web-App also had a platform for selling and pooling Medical Resources by different medical institution.
- Technologies used - Python, Django, Tensorflow, Tailwind-CSS, ReactJS.
- Sayantan-Ch/Medipool