

# SATWIK ANIMESH

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## Education

National Institute Of Technology Rourkela

Bachelor of Technology, CGPA: 8.19

May 2019 – June 2023

Rourkela, Odisha

## Experience

Dr. Reddy's Laboratories Pvt. Ltd.

Software Developer (Full-Time)

February 2023 – Present

Hyderabad, Telangana

- Implemented a Queue Service using **AWS SQS** with FASTapi, resulting in a **90% decrease** in API failure rates.
- Automated prescription digitization with **PyTorch**, reducing operating costs by **30%** by minimizing reliance on AWS.
- Incorporated a robust **microservices architecture** to achieve low latency in APIs using **Django** and **PostgreSQL**.
- Analyzed and optimized backend bottlenecks, including database queries and storage solutions, resulting in a **40% improvement** in performance.
- Transformed backend operations, achieving a **60%** performance boost by engineering an admin panel with **Python** and **React**, reducing task completion time and optimizing workflow management.
- Migrated critical services to **AWS Lambda** to enhance scalability, streamline resource utilization, and reduce costs.
- Integrated **CI/CD** pipelines, **Dockerized** applications with Dockerfiles, and orchestrated deployment on **Kubernetes**.
- Collaborated with the product team to **conceptualize, develop, and implement** new features, ensuring seamless integration and alignment with project goals to enhance overall product functionality and **user experience**.

Capgemini

Full Stack Developer Intern

August 2022 – December 2022

Bengaluru, Karnataka (Remote)

- Aided in the development of a scalable web application leveraging **MERN Stack** and **AWS**; achieved a **50%** reduction in loading times and improved user experience, driving a **25% increase** in daily active users.
- Implemented **A/B testing** using **Google Firebase** to optimize user experience and inform product decisions.
- Analyzed user behavior through Firebase Analytics, identifying key areas for improvement that increased user engagement by **25%** and reduced churn rate by **15%** within three months.
- Worked closely with product managers and UX designers to iterate on features based on A/B test outcomes.

Teceads Solutions Pvt. Ltd.

Full Stack Developer Intern

May 2022 – July 2022

Bhubaneswar, Odisha

- Accompanied in the development of **Node.js APIs**, lowering the average server response time by **100ms**.
- Created and documented technical specifications for 3+ back-end APIs, facilitating seamless integration.
- Assisted in the deployment on AWS, achieving **95% uptime** on small-sized servers, reducing hosting costs.
- Aided in the development of a **responsive** React app, ensuring seamless user experience across devices and screen sizes.

## Projects

Medecoder (Prescription Digitalization) | Python, Selenium, React, Django, AWS

November 2022

- Engineered a **Python** service utilizing **AWS (S3, Textract, Medical Comprehend)** for extracting and classifying information from handwritten prescriptions.
- Refined a retraining pipeline, enhancing the accuracy of the custom OCR and NER models from **50%** to **80%**, with the help of **PyTorch**.
- Used **AWS Textract, MedicalComprehend** and a labeling tool to retrain the **OCR and NER** models, enabling continuous improvement and eliminating future dependency on AWS.
- Utilized Django for robust back-end development and React for user-friendly front-end interfaces.

## Technical Skills

**Languages:** Python, C++, JavaScript, SQL

**Developer Tools:** Bitbucket, Postman, Git, Docker, Chrome Dev Tools, Kubernetes

**Frameworks:** React.js, Node.js, Django, FastAPI, Pandas, OpenCV, Mediapipe, jQuery, Selenium

**Database:** PostgreSQL, MongoDB, SQLite

**Cloud Services:** Amazon Web Services, Google Cloud Platform, Azure, Firebase

## Achievements

- Claimed **1st** position in Dr. Reddy's Digital Health Hackathon 2.0 and AWS Health Hackathon.
- Secured **2nd** position in prestigious hackathons organized by Myntra, EY GDS, and GFG on a **national** scale.