

ABHINAV SAXENA

Software Engineer/ Founding Engineer

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Education

Bennett University

B.Tech in Computer Science and Engineering, CGPA: 8.99/10

Oct. 2020 – June 2024

Greater Noida, UP

Experience

Esprit Analytique

Full Stack Developer

June 2024 – Present

Remote

- Directed the design, development of responsive web applications as a project and team lead, leveraging **React** for front-end and **Django** with **PostgreSQL** for back-end architecture and implemented multilingual website localization.
- Engineered and optimized over 65 RESTful APIs in **Django**, utilizing **multithreading** to achieve a **30% reduction** in processing time; integrated **Razorpay** for secure payment processing and fortified data security by implementing **RSA** and **AES** encryption for front-end/back-end communication and temporary data storage.
- Orchestrated the deployment of scalable, high-availability web applications on **AWS EC2** using **Docker**, ensuring **99.9% uptime** under peak traffic conditions.

NEC Corporation India Pvt Ltd

Java Developer Intern

Oct. 2023 – April 2024

Noida

- Designed and developed **RESTful APIs** as a back-end **Java Spring Boot** developer, achieving **85% code coverage optimization**, delivering efficient, **scalable**, and robust functionality to support critical application components.
- Strengthened front-end performance by seamlessly integrating **REST APIs** with **responsive design** principles, resulting in a **25% increase** in user engagement and enhanced **cross-device compatibility**.
- Partnered with **cross-functional teams** to architect and implement innovative **UI designs**, prioritizing **user-centric features** that elevated user experience, streamlined interaction flows, and aligned with organizational goals for functionality and aesthetics.

Wormos

Flutter Developer Intern

June 2023 – August 2023

Remote

- Leveraged the **Flutter** framework to craft **pixel-perfect UI elements** from **Figma** designs, achieving **90% design accuracy** in a **mobile app**, enhancing **user experience** and **visual consistency** per client standards.
- Integrated **Firebase** for **real-time data storage** and **authentication**, optimizing **data synchronization** with a **secure user login**, boosting app **performance** and **reliability** for stakeholders.

Projects

ProdigiDesk | Django, React, Postman, Git, AWS (EC2), JWT, RSA

June 2024

- Architected and deployed the **ProdigiDesk** project from scratch, leveraging **React** to craft a **responsive** and **engaging front-end interface**.
- Engineered all core back-end **REST APIs** using **Django**, integrating **JWT** for **secure user authentication** with **session control**, enforcing single-session environment. Developed a proxy API system for secure API management.

PICSA | Apache POI, Java, Spring Boot, Git, React

November 2023

- Developed the **front-end** of the **PICSA** project using **React**, driving a **20% increase** in **user engagement metrics** and a **15% decrease** in **page load times**, enhancing **interface responsiveness** and overall user satisfaction.
- Implemented **Excel reporting** capabilities using **Apache POI** and **Java Spring Boot**, improving **data visualization** and **analysis** functionalities, empowering stakeholders with robust, actionable insights.

Technical Skills

DevOps: AWS, Docker

Languages: Java, Python, C++, Dart, JavaScript, HTML, CSS, LaTeX

Tools: Firebase, Node, Razorpay, JWT, AES, RSA

Frameworks: React, Spring Boot, Tailwind, Django, Bootstrap, Flutter, Express, TensorFlow

Database: MongoDB, MySQL

Version Control: Git, GitHub, Gitea

Achievements

- Secured 4th place in the **Smart India Hackathon (SIH)** held at college, demonstrating strong problem-solving.
- Conducted research and authored a research paper on **Covid-19 Detection Using VGG-16**.
- Served as **Technical Head** of **Ciphers Club**, leading technical initiatives and hosting a gaming tournament during the college fest—a major success—while coordinating events to drive innovation and boost engagement among members.