

ALOK PATEL

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Skills

Languages: Python, C/C++, SQL, JavaScript, Core Java. **Database Management:** RDBMS (MySQL, Oracle DB), MongoDB.
Web Development: **Backend:** Django, DRF, Spring Boot **Frontend:** UI(React.js), HTML5, CSS3, Bootstrap, Responsive design.
Technologies & Tools: Git, GitHub, Docker, Cloud(AWS), CI/CD(Jenkins), Jira, Postman, UNIX, VS Code, Eclipse.
Courses: Operating System, Computer Network, Data Structure and Algorithms, DBMS, OOPs, SDLC.
Certifications: Python 📜, Machine Learning 📜, Linux 📜, Advance CPP 📜, Cloud Computing 📜.

Experience

Ericsson India Private Ltd. 📍 Noida, India 📅 Nov. 2022 - July 2023

● **Associate Software Engineer** *Python, React.js, Django, Microservices, DRF(RESTful API), MySQL, AWS, CI/CD, RabbitMQ.*

- Architected a highly resilient API using Django Rest Framework, streamlining communication between **10+** diverse software components, reducing response time by **40%**, and enhancing system uptime to **99.9%**.
- Elevated user experience for over **200 million+** AT&T users through robust unit tests, leading to a 20% reduction in manual testing costs. Delivered 10 user stories and 1 full feature.
- Boosted code quality from **77%** to **87%** using SonarQube, Docker, Jenkins, and Fortify.

📅 May 2022 - Oct. 2022

● **Software Engineer Intern** *Python, React.js, Django, DRF, MySQL,ORM, Unit-testing, Json, AWS, Jenkins, Jira, Scrum, Git*

- Engineered and optimized prepaid & postpaid calling, and mobile data plans, impacting over **250 million** users and contributing to a **15%** increase in system efficiency and user satisfaction.
- Collaborated with a **10-member** team to design, develop, and integrate the charging module for customer care..
- Crafted and maintained detailed software documentation, leading to a 30% reduction in onboarding time for new team members and a 25% decrease in support queries from developers.

Education

Madan Mohan Malaviya University Of Technology, Gorakhpur | B.Tech.(Hons) | C.S.E. 📅 July 2018 - Aug. 2022
JGPSVMIC, Sitapur | Intermediate | **90.4%** | UP Board 📅 July 2015 - Jun. 2017
JGPSVMIC, Sitapur | High School | **87.5%** | UP Board 📅 July 2013 - May. 2015

Personal Projects

Alokknights.com 🐙 Code | Live 📅 Nov. 2021 - Mar. 2024

Web App for Freelancers, with portfolio & Blogs *Python, Django, DRF, Docker, CI/CD, Jenkins, Sonar, MongoDB, Git, AWS*

- Developed freelancers platform with a skill training application that facilitated a 50% improvement in skill acquisition among users.
- Implemented secure third-party authentication (including Google Auth) and introduced personalized portfolios, optimizing features for a seamless experience for over 3,000 registered users.
- Resulted in a 30% increase in project postings and 40% increase in freelancer registrations, enhancing overall engagement.

Event Aayojan System 🐙 Code | Live 📅 July 2021 - May 2022

Web app for University to inform incoming events *Java, Spring Boot, React.js, MongoDB, JWT Auth.*

- Led a team of 3 to design and implement RESTful APIs for managing backend logic and data, along with responsive front-end components, serving a user base exceeding 5,000.
- Integrated authentication & authorization mechanisms, enhancing user access security & reducing unauthorized access by 40%.
- Engineered features, including event creation, browsing, registration, and notifications, resulting in a substantial 30% increase in user engagement and heightened overall user satisfaction.
- Deployed on AWS and Heroku, achieving scalable architecture with 20% improvement in performance metrics.

YouTube search APIs 🐙 Code | Live 📅 Mar. 2021 - June 2021

Web App for fetching the latest YouTube videos on query *Python, MySQL, MongoDB, Django Rest Framework, Git*

- Constructed a multi-database system for seamless storage of user data in SQL and YouTube content in NoSQL, resulting in a 25% improvement in data retrieval speed and a 20% reduction in database management overhead.
- Built APIs that optimized data retrieval, resulting in 25% reduction in response times and Optimized user experience.

Car Price Prediction 🐙 Code | Live 📅 Mar. 2021 - June 2021

Web App for getting Price of old car using Machine learning *Python, Numpy, Pandas, Sklearn, Django, DRF, Git*

- Achieved accuracy metrics of 95%, outperforming industry benchmarks and providing reliable pricing estimates.
- Increased user engagement with live updates and improved user retention by 80%.

Achievements & Extra-Curricular

- Secured **1st Rank** in Hackathon (Internal) Conducted at MMMUT, GKP for developing the software **Swastik** to manage the Vaccination of 5,000+ Hostel Students in the Colleges. | Achieved **5-Star** Badge on HackerRank.
- Secured **5th** rank in **BlueLearn** Hackathon among **2500+** participants. | Attended a seminar on **AI** in the campus.
- Attended Online workshop on Coding blocks on **Data Science & Face Recognition.** | Participated in **Robotics events.**
- Gate 2024 qualified.** Solved **1000+ problems** on various coding platforms like **Leetcode, GeeksForGeeks, HackerRank** etc.

Leadership and Volunteering

Member of Computer Engineering Society, MMMUT 📅 Aug. 2018 - Sep. 2021
Volunteer at National Service Scheme 📅 Nov. 2018 - Sep. 2021