

Sushant Kumar

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Summary

Software developer specializing in AI/ML, backend systems, scalable design. Proficient in Python, React, Node.js, & cloud platforms (AWS, Azure). Skilled in building secure, efficient, and user-centric applications.

Education

National Institute of Technology, Kurukshetra

Oct 2022 – Present

- Bachelor of Technology in Electronics and Communications.
- **Coursework:** Computer Architecture, Artificial Intelligence & Machine Learning, Image Processing, Data Structures, Signal Systems, Information Theory & Coding, VHDL.

Mukularanyam English School, Varanasi

July 2018 – May 2020

- Completed Intermediate studies with a focus on Physics, Chemistry, & Mathematics.

Work Experience

Artificial Intelligence & Machine Learning Research Intern, Woosong University, Daejeon, South Korea |

Certificate

May 2024 – July 2024

- Conducted machine learning research, improving optical communication efficiency by 78%.
- Analyzed and implemented equalizer algorithms, achieving a 30% increase in system accuracy.

Full Stack Developer, CHIRAG Technologies, Noida, India | Certificate

Jan 2025 – Feb 2025

- Worked on Android applications using Kotlin & Jetpack Compose.
- Integrated Google Maps SDK, Firebase Auth, Socket.io chat, and used DBEaver for DB handling.

Back-End Developer Intern, ReachInbox AI

Sept 2024 – Oct 2024

- Optimized backend with MERN & PERN, cutting server response time by 46%.
- Improved RESTful APIs, increasing speed by 25% and automating 85% of backend tasks, cutting overhead by 20%.

Projects

Ssk-ChatMaster — React+Vite, Node.js, Express.js, MongoDB, Zustand, Socket.io, Tailwind CSS, Toast, Daisy-UI, Bcrypt | [Ssk-ChatMaster](#)

- Built a secure real-time messaging platform with 99% uptime.
- Integrated AI bot with end-to-end encryption, boosting engagement by 90%.

Finance Interface — Flutter, Dart, Material Design, Google Gradle Build Tool, Android SDK | [Ssk-CredProj](#)

- Designed a responsive, cross-platform UI for seamless navigation, assigned by **CRED**.

RelationShip-Care — React.js, React-Calendar, Tailwind CSS, React-Icons, JavaScript | [RelationShip-Care](#)

- Features for scheduling and booking consultations with dynamic UI and animations.

Technical Skills

- **Programming Languages:** Java, Python, C, C++, C#, PHP, JavaScript, Dart, VHDL, HTML, CSS, Kotlin.
- **Frameworks & Databases:** Django, Express.js, Node.js, Flask, Laravel, React.js, React Native, Next.js, Angular, Vue.js, Bootstrap, Flutter, Streamlit, Jupyter, MongoDB, PineconeDB, PostgreSQL, GraphQL.
- **Libraries:** NumPy, Pandas, Keras, SciPy, TensorFlow, Matplotlib, NLTK, Seaborn, Dash, PyTorch Vision, Pillow, Librosa, SpeechRecognition, Plotly, OpenCV, Hugging Face API, Material-UI, DaisyUI, Three.js, Tailwind CSS, CNN.
- **Tools & Cloud Platforms:** VS Code, Android Studio, MATLAB, Git, Balsamiq, Unity, GIMP, Postman, Docker, AutoCAD, Botpress, Google Colab, Google Cloud Platform, AWS, Firebase, Azure.

Achievements

- Received an SDE offer from the **Sashakt Bharat Abhiyan Scheme** under the **Government of India**. [Certificate](#).
- Certified in the **National Anveshika Experimental Skill Test** by **Prof. H.C. Verma** and **IIT Kanpur**. [Certificate](#).
- Secured **AIR 724** and **State Rank 103** in the **2020 National Science Talent Search Examination**. [Certificate](#).