

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 Application 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

- Reduced server response time by 46% by designing and deploying scalable back-end systems using MERN & PERN.
- Developed and optimized RESTful APIs, boosting response speed by 25% and automating 85% of back-end processes, reducing operational overhead by 20%.

Projects

Ssk-

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

- Built a secure, real-time messaging platform with 99% uptime for seamless communication.
- Integrated AI bot & end-to-end encrypted for personalized user assistance, enhancing user 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** | **Reactjs, React-calendar, Tailwind CSS, React-icons, JavaScript** | [RelationShip-Care](#)
- Features for schedule fix and booking consultations, enhanced with a dynamic UI and engaging 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, NLTP, Seaborn,Dash, PyTorch Vision, Pillow, Librosa, SpeechRecognition, Plotly, OpenCV, Huggingface API, Material-UI, DaisyUI, Three.js, Tailwind CSS, CNN.
- **Libraries & Cloud Platforms:** VS Code, Android Studio, MATLAB, Git, Balsamiq, Unity, GIMP, Postman, Docker, AutoCAD, Botpress, Google Colab, Google Cloud Platforms, AWS, Firebase, Azure.
- **Databases & APIs:** Firebase,

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 & state rank 103 in the 2020 National Science Talent Search Examination. [Certificate](#)