Vivek Kumar

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SUMMARY

Enthusiastic **Software Developer** with expertise in **MERN Stack**, **AI & Machine Learning**, and **API development**. Skilled in **Python** and **C++**, with experience in building intelligent, scalable, and high-performance applications. Passionate about creating impactful tech solutions by integrating **AI**, modern **web technologies**, and efficient **backend systems**.

EDUCATION

SRM University — Delhi, NCR
Bachelor of Technology in Computer Science — *Aug. 2024 – May 2028*

EXPERIENCE

Open Source Contributor — 15 August 2025 – 30 August 2025
Open Source Connect India — *Remote*
- Contributed to multiple open-source repositories by fixing bugs, optimizing code performance, and improving project documentation for better community collaboration.
- Collaborated with developers across India to build scalable web applications using **MERN Stack** and integrated **AI-based features** to enhance user experience.

Open Source Contributor — July 2025 – October 2025
GirlScript Summer of Code — *Remote*
- Contributed to open-source projects focused on web development and AI integration, collaborating with mentors and peers to build impactful community-driven applications.
- Enhanced project features using **MERN Stack**, implemented RESTful **APIs**, and optimized frontend components for better performance and usability.

PROJECTS

Real-Time Chat Application | *MERN Stack, Socket.IO, Node.js, Express.js* — GitHub — Jan. 2025 – Mar. 2025
- Developed a full-stack real-time chat platform enabling instant messaging using **Socket.IO** for seamless communication.
- Implemented **JWT-based authentication**, live user presence, and chat persistence using **MongoDB**.

Food Delivery Web App | *MERN Stack, Stripe API, Google Maps API* — GitHub — Apr. 2025 – June 2025
- Built a full-featured food delivery platform similar to Swiggy with modules for **ordering, live tracking, and secure payments**.
- Integrated **Stripe API** for real-time transactions and **Google Maps API** for location tracking and delivery updates.

Real-Time Weather Forecast App | *React, OpenWeather API, Chart.js* — GitHub — July 2025 – Aug. 2025
- Created a responsive weather web app delivering real-time data on temperature, humidity, and forecast using the **OpenWeather API**.
- Visualized climate patterns through interactive charts built with **Chart.js**.

TECHNICAL SKILLS

Languages & Frameworks: Python, C/C++, SQL, JavaScript, HTML/CSS, React, Node.js, Express.js
Developer Tools: Git, GitHub, VS Code, Postman, Google Cloud Platform, PyCharm, Visual Studio, MS Office
Libraries: Mongoose, Redux, Tailwind CSS, Socket.IO, pandas, NumPy, OpenCV
Core Subjects: Data Structures and Algorithms, OOPS, Operating Systems, Computer Networks, DBMS
Soft Skills: Leadership, Teamwork, Communication, Problem-Solving, Content Writing, Social Service

CERTIFICATIONS

NPTEL Certified – Programming, Data Structures and Algorithms using Python
Oracle Certified – OCI AI Foundation Associate
Google Cloud – The Basics of Google Cloud Compute