Ashok Kumar

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Education

Bachelor of Technology in Computer Science	**Aug 2023 – May 2027**
SRM University, Guntur, Andhra Pradesh	**CGPA: 9.0**

Coursework: Data Structures, Algorithms, OOP, DBMS, AI/ML

Intermediate – VidyaGyan School, Sitapur	**91.0% (2023)**
High School – VidyaGyan School, Sitapur	**94.6% (2021)**

Technical Skills

- **Languages:** C++, Java, Python, JavaScript, HTML/CSS,
- **Frameworks:** React.js, Node.js, Express.js, Flask
- **Developer Tools:** Linux, Docker, Git, Postman, Socket.IO, RESTful APIs, VS Code, Copilot, Azure
- **Libraries:** Pandas, Numpy, Matplotlib, Scikit-Learn

Projects

Multithreaded Chat Server — *Repository*   **Sep 2025 – Oct 2025**
Tech: Java, Socket Programming, Multithreading, TCP/IP

- Developed a multithreaded Java chat server handling 120+ concurrent clients with reliable TCP/IP sockets.
- Added thread-safe broadcasting, private messaging, and controlled disconnect flows, cutting message-delivery latency by 35%.
- Designed a modular OOP command protocol improving extensibility & reducing new-feature integration time by 40%.

Calmify – Mental Health Support Platform — *Repository*   **Jul 2025 – Sep 2025**
Stack: React, Node.js, MongoDB, Azure OpenAI, Socket.IO, Tailwind, JWT

- Engineered a role-based mental-health platform supporting 300+ users with end-to-end JWT authorization, reducing unauthorized access attempts by 35%.
- Integrated Azure OpenAI–powered crisis detection achieving 92% classification accuracy and <1.2s alert latency for high-risk cases.
- Implemented real-time peer-support workflows with Socket.IO, enabling 150+ concurrent sessions and improving response handling speed by 40%.

RunDown: AI Task Manager — *Repository*   **Oct 2024 - Dec 2024**
Stack: Flask, Gemini API, Google Calendar/Gmail APIs, OAuth

- Built an AI-powered productivity assistant using Flask + Gemini API, adopted by 20+ testers.
- Automated task extraction, scheduling, and Gmail parsing to increase user productivity by **30%**.
- Implemented natural-language interpretation for calendar queries and deadline reasoning with 90%+ accuracy.

Work Experience

Edubot Technologies — Intern   **May 2025 – Jul 2025**

- Developed a scalable full-stack application using Flask, React+TypeScript, and PostgreSQL.
- Owned both frontend and backend modules, ensuring optimized APIs and consistent performance.

NextTech Lab — Member   **Sep 2024 – Aug 2025**

- Contributed to Uply, a job-automation web app with resume generation and scraping; showcased to 200+ people.
- Led UI planning and control-flow design; guided juniors in development and Git practices..

Certifications & Achievements

- **OCI Foundations Associate** – Oracle Certified (2025)
- **OCI Architect Associate** – Oracle Certified (2025)
- **Cloud Computing 101 Trained** – AWS Educate (2025)
- **AI/ML Internship, Yhills**: Developed a Movie Recommendation System using Pandas, NumPy, & Scikit-learn.
- **Smart India Hackathon**: Shortlisted twice in internal rounds (2024, 2025).