PRASHANT GUPTA

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WORK EXPERIENCE

Fullstack Developer | Onlygood (OGFPL), Gurugram   July 2025 – Present

- Developing a **carbon emission tracking platform** using Angular for frontend and Django for backend services.
- Implementing **data visualization dashboards** to monitor and analyze sustainability metrics in real-time.
- Designing RESTful APIs with Django and integrating them seamlessly with Angular components for smooth user experience.

Software Developer | Ketsol Private Limited, Pune   Jan 2024 – Jul 2025

- Developed an interactive dashboard using React and FastAPI for real-time data visualization and analytics.
- Implemented Docker-containerized backend services for scalability and streamlined deployment.
- Designed real-time data streaming with RabbitMQ, ensuring instantaneous updates and notifications.
- Built message queues and consumers for efficient data distribution, enhancing system performance.
- Developed scalable frontend applications with React, Next.js, JavaScript, and Tailwind CSS.
- Engineered backend services with Node.js, FastAPI, and managed databases with SQLAlchemy (MySQL, PostgreSQL).
- Implemented secure authentication using JWT, OAuth2, Auth0, and HTTP-Only cookies.
- Deployed full-stack applications by integrating frontend frameworks with backend services.

Engineer Intern | ATSC Ahmedabad   Oct 2023 – Dec 2023

- Developed an Automatic Toilet Cleaning System by integrating sensors, controllers, transistors, and Arduino, utilizing Arduino IDE for coding and automation in the project model.
- Engineered a seat automation mechanism using proximity sensors, IR sensors, Li-Ion batteries, DC motors with encoders, and servomotors. Designed and implemented a human detection system to trigger the cleaning process via IR sensors and an Arduino board.
- Enhanced project functionality by optimizing sensor integration and power management, resulting in a reliable and efficient automated cleaning system.

TECHNICAL SKILLS

- **Languages: C++, C, HTML, CSS, JavaScript, Java, Python**
- **Frontend Technologies: React**, **Next.js**, **Tailwind CSS**
- **Backend technologies: Node.js, Python FastAPI, Express.js, Docker, RabbitMQ**
- **Libraries:** OpenCV, scikit-learn, NumPy, Matplotlib, Data Visualization, AWS, **MySQL, Postgres**.
- **Security and Authentication: JWT**, **OAuth2**, **Auth0**, **HTTP-Only Cookies**.

EDUCATION

B. TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING   Aug 2016 – Jul 2020

Dr A.P.J Abdul Kalam Technical University