PRANAV SINGHAL

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Education

Indian Institute of Information Technology Allahabad 🔗   *July 2019 - May 2023*
Bachelor of Technology in Information Technology   *CGPA: 9.01*
Leadership Role: Coordinator: Free and Open Source Software Wing – Led 10+ workshops on React, React Native, and Git.

Work Experience

Schrodinger (D.E. Shaw)   **Hyderabad, India**
Software Developer 2   *July 2024 - Present*

- **Led** full-stack development with Django and React frameworks for **2** data-intensive projects
- **Implemented Django REST APIs** with an in-app notification management system
- **Configured CI/CD** on **GKE** for ephemeral PR testing via **Playwright**, cutting production bugs by **45%**.
- Created ELT pipelines with Airbyte and DBT for data warehousing.
- **Mentored** 2 junior developers via code reviews, pair-programming, and task delegation.
- **Technologies:** React, Django, Python, DBT, PostgreSQL, GithubActions, Kubernetes, Docker, Playwright

Software Developer 1   *September 2023 - June 2024*

- **Initiated** frontend for 1 **data-driven app**, establishing **React architecture** and best practices.
- **Adopted Vite** for fast builds and **React Query** for network state management cutting dev time by 25%.
- **Engineered** 20+ scalable forms with **React Hook Form** and 50+ reusable **MUI** components for a consistent UI.
- **Technologies:** React, Redux, MUI, React Query, React Hook Form

Sprinklr   **Gurugram, India**
Product Engineer Intern   *January - September 2023*

- Worked on 2 **cross-platform mobile apps** with **React Native** in a fast-paced, **customer-facing** environment.
- **Built** 1 **configurable SDK** for Sprinklr's live chat, for enterprise clients including largest e-commerce in latin america.
- **Integrated MQTT (Message Queuing Telemetry Transport)** for instant message delivery increasing 30% efficiency.
- **Added Audio/Video calling** by integrating **Zoom Video SDK** into live chat SDK bringing 2 big clients.
- **Developed 5+ scalable mobile UI components** and **native modules** in **Java** and **Swift**.
- **Technologies:** React Native, Android, iOS, MQTT (Message Queuing Telemetry Transport)

Projects

Sembreaker Mobile App | *Flutter, Dart, Firebase, Android, iOS*

- Developed **SemBreaker**, a **cross-platform** study resource app with **2000+ active users**.
- Enabled seamless **course-wise material access** across 3 branches for IIIT-Allahabad students.
- Mentored 4 future team members for maintaining the app with better practices.
- **Google Play Store: Link** 🔗 **GitHub: Link** 🔗

Achievements

- Achieved **Rank-1 (Google cloud)** MLH Hackathon for developing HealthBloom App. **Devpost Link** 🔗 **Demo** 🔗
- Attained **Rank: 352 out of 12k+ participants** in **Google Kickstart Round-G 2022** 🔗
- Got **Rank: 939 out of 10k+ teams** in **Google Hashcode** qualification round 2022 with Team: menewbie
- **Awarded Governor's Platinum Interactor Award** (Got Award for my roles in uplifting leadership skills of the student community in Rotary District-3012)

Skills

Programming Languages: Python, Javascript, Typescript, Java, C++
Frameworks: React, React Native, Django, Dash, Android
Databases: PostgreSQL, Redis
DevOps & Cloud: Kubernetes, Docker, Github Actions, Helm , Google Cloud Platform (GCP)
Tools: Git, Bash, Playwright, MQTT, GitHub Actions, Webpack, Vite
Courses: Data Structures and Algorithms, Object-Oriented Methodologies, Database Management Systems, Operating Systems, Computer Networks, Machine Learning, Artificial Intelligence, Graph Theory, Software Engineering
Areas of Interest: Full Stack Software Development, Algorithm Design, Mobile Development, Large Language Models