ᴡPriyansh Khajuria

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EDUCATION

Jaypee Institute of Information Technology   Noida, Uttar Pradesh
B.Tech in Computer Science and Engineering   August 2021 – May 2025
Achievements: Placed 2nd position in the IIIT-Delhi E-Summit Social Impact Ideathon (2023), Awarded for excellence in Data Science Mastercourse, Actively participated in multiple inter-college hackathons.

EXPERIENCE

Full Stack Software Engineer — Ruaa Ventures Private Limited   June 2025 – Present
Kanoon : LegalTech Platform 🤖 🍎   Bengaluru, India
- Designed and owned the end-to-end mobile architecture for Android and iOS, implementing JWT-based authentication, role-based access control, and streamlined onboarding workflows, supported 500+ active users and 1,000+ verified lawyers in production.
- Improved user engagement and retention by 40–45% by delivering real-time push notifications, multi-parameter legal discovery (case type, jurisdiction, status), and optimized filtering and query execution paths.
- Led cross-platform development using React Native (Expo) and Ant Design, and built RESTful APIs with Django, refined MySQL schema design and indexing, reducing average API response times by 35–40%.

Tareek : Legal Case Lifecycle Management
- Architected and delivered a full-scale Case Lifecycle Management (CLM) platform, digitizing end-to-end legal operations from case creation to closure with a 99.9% crash-free session rate.
- Built a high-throughput PostgreSQL backend using Django REST Framework, applying strategic indexing and query optimization to reduce API latency by 45% under real-world workloads.
- Implemented secure payment and automation flows (Razorpay integration, event-driven status updates), improving operational reliability and reducing manual intervention.

Research Intern — Jaypee Institute of Information Technology   June 2024 – August 2025
Ramanujan Universe: High-Performance Computing Lab   Noida, Uttar Pradesh
- Modeled CUDA-accelerated deep learning pipelines (DenseNet CNN) for breast cancer detection from mammograms, achieving 95%+ accuracy and improving baseline results by 12%.
- Deployed models on HPC clusters (8× NVIDIA A100, 576 CPU cores), processing 100GB+ datasets and reducing training time by 40%.

PROJECTS

Barks & Whiskers: Pet Adoption and Rehome Website 🔗 | *MERN Stack, Firebase, OAuth*   March 2024
- Developed a full-stack MERN application for pet adoption, utilizing Firebase and Google OAuth to ensure secure, real-time user authentication.
- Enhanced search efficiency by 65%, implementing advanced matching logic and custom filtering algorithms.
- Crafted responsive Tailwind CSS interface, enhancing cross-device accessibility and streamlining workflows.

AI Image Generator 🔗 | *React.js, Express.js, OpenAI DALLE, Material UI*   May 2025
- Engineered a web-based GenAI tool to generate images from text prompts under 3s generation time per image.
- Implemented dark mode UI with Tailwind CSS and Material UI, enhancing user interaction and visual clarity.

Audio Sign-to-Speech 🔗 | *JavaScript, Web Speech API, Python, NLTK, Blender*   January 2025
- Developed an end-to-end translator converting live audio to Sign Language via 3D avatar and Blender.
- Integrated Google Translate API for multilingual support across 5+ Indian languages, enhancing accessibility.
- Utilized NLTK preprocessing to achieve 90% recognition accuracy across diverse acoustic environments.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), SQL (PostgreSQL/MySQL), C/C++, HTML5/CSS3, Shell Scripting (Bash)
Frameworks & Libraries: React Native, React.js, Django, DRF, Node.js (Express), Redux, Tailwind CSS
Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis
Developer Tools: Git/GitHub, Docker, Google Cloud Platform (GCP), Expo, Airflow, Kafka, VS Code, PyCharm
Certifications: ETL and Data Pipelines with Shell, Airflow and Kafka (IBM), Data Science Master Course (Coding Blocks), Bits and Bytes of Computer Networking (Google)