# Nuuradin Korane

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## TECHNICAL SKILLS

**Languages**: JavaScript, TypeScript, Python, Java, Go, HTML/CSS, C, C++, C#, SQL, XML, Bash, JSON
**Frameworks/Libraries**: React.js, React Native, Node.js, Express.js, Django, Flask, Tailwind CSS, Vue.js, Next.js
**Tools & Platforms**: Git/GitHub, Docker, Firebase, MongoDB, PostgreSQL, Render, Azure, VSCode, Android Studio, Linux, Jira
**Engineering Concepts**: RESTful APIs, CI/CD, Authentication, Responsive Design, Cross-Platform Development, Application Architecture

## EXPERIENCE

### Software Engineer Intern — Edmonton, AB
*NotJustYou (Remote)* — *Sep 2024 – Dec 2024*

- Developed the Medical Wallet feature in React Native, enabling image uploads and health entry tracking, while connecting patient and caregiver profiles securely.
- Designed an accessible, calming UI tailored for chronically ill users and caregivers, with a focus on privacy and ethical user experience.
- Automated CI/CD pipelines using GitHub Actions and self-hosted runners, reducing manual deployment time by 35% and streamlining releases.

### Data Science Intern — Vancouver, BC
*M2M Tech (Remote)* — *May 2023 – Aug 2023*

- Developed and optimized predictive models for over 10,000 records using Python, scikit-learn, and Bokeh, improving the precision of segmentation by 17%.
- Created interactive dashboards and visual reports using Pandas, Matplotlib, and Seaborn to analyze trends and support data-driven exploration.
- Collaborated with front-end teams to embed machine learning outputs into web interfaces, enabling real-time recommendations and user insights.

### Computer Science Mentor — Edmonton, AB
*Future Creators* — *Jan 2022 – Mar 2022*

- Delivered weekly coding workshops focused on beginner-friendly tools and Python-based project development.
- Guided mentees through end-to-end application design, incorporating backend logic, interface layout, and testing.
- Introduced version control and API usage to support clean, modular, and collaborative development practices.

## PROJECTS

### Flux (JavaScript, React, Node.js, Supabase, GPT-4o, Whisper, Render) — *Jan 2025 – Feb 2025*

- Created an AI-powered interview simulator leveraging GPT-4o and OpenAI Whisper to transcribe speech and deliver real-time feedback.
- Implemented audio processing and back-end communication via Supabase and Node.js, streamlining data flow between user input and AI response.
- Achieved 4th place at HackED 2025 over 80 different teams, recognized for accessibility and seamless AI-driven interaction.

### SocialDistribution (Python, Django, JavaScript, HTML, CSS, RESTful APIs, PostgreSQL) — *Jan 2024 – Apr 2024*

- Manufactured a decentralized social network with Django and JavaScript, enabling content sharing across servers through 20+ custom RESTful API endpoints.
- Deployed to Heroku with CI/CD, optimizing queries and pagination to reduce back-end response time by 30%.
- Led PostgreSQL optimization and network logic integration, collaborating with multiple teams to ensure consistent distributed behavior.

### SufferQR (Java, Android SDK, XML, Firebase, Figma) — *Jan 2023 – Apr 2023*

- Designed a gamified QR scavenger app using Android SDK, with real-time detection powered by device sensors and camera input.
- Integrated Firebase services for authentication, session tracking, and live leaderboard updates.
- Enhanced user experience with Google Maps API and a mobile-first UI prototyped in Figma, driving strong user engagement during testing.

## EDUCATION

### University of Alberta — Edmonton, AB
*Bachelor of Science with Specialization in Computer Science* — *Sep 2020 – June 2025*