# SABOOR BAKSHI

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## EDUCATION

**University of Waterloo**                                                        Sep 2020–Apr 2025
Bachelor of Computer Science                                                          Waterloo, ON
- **GPA: 3.9/4.0**, Distinction List

## EXPERIENCE

**Kenna**                                                                          Sep 2024–Dec 2024
Full Stack Engineer | React, Node.js, Transact-SQL                                 Mississauga, ON
- Developed and deployed scalable web applications in JavaScipt, ensuring high performance and maintainability.
- Migrated legacy JavaScript-based agents in IBM Lotus Notes to modern Node.js API calls, significantly boosting system scalability and reliability.
- Architected and implemented robust SQL database solutions, including tables, stored procedures, and scalar functions, to drive data-driven applications and facilitate seamless API integrations.
- Built and scheduled dynamic HTML emails reaching thousands of customers and improving communication workflows.

**Hairloss AI**                                                                          Waterloo, ON
Founder | React Native, Python, Jupyter Notebook, Supabase, Figma                   Jul 2024–Dec 2024
- Designed and developed a React Native application enabling men to diagnose Androgenic Alopecia (AGA) within seconds, providing a convenient alternative to dermatology visits.
- Leveraged ML Kit to automate image capturing, enhancing scanning precision and delivering a superior user experience.
- Designed and deployed a custom diagnostic pipeline integrating facial landmark detection and selfie multi-class segmentation models in Python, utilizing OpenCV and NumPy in algorithm implementation.
- Achieved 20,000 installs and $4,000 in Monthly Recurring Revenue (MRR) within the first three months.
- *Link to App Store*

**Web Agency**                                                                     Jul 2024–Jul 2024
Web Designer & Developer | React, Next.js, Figma                                       Waterloo, ON
- Designed and delivered user-centered web-pages using Figma, transforming initial concepts into refined high-fidelity prototypes, actively incorporating customer feedback.
- Built responsive, scalable, and performant web applications in TypeScript, leveraging React and Next.js.
- Generated over $5,000 in revenue by delivering tailored web solutions that exceeded client expectations.
- *Link to Client 1*, *Link to Client 2*

**Telcovas**                                                                       Sep 2023–Dec 2023
Network Engineer | C++, MySQL                                                              Remote
- Implemented and maintained TCP/IP multi-client server applications in C++ on Linux, ensuring reliable communication.
- Developed data encoding/decoding processes using ASN.1C for efficient communication protocol in complex networks.
- Customized C++ MySQL connectors to optimize data retrieval from external databases, increasing access efficiency.

**Omnivex**                                                                        Sep 2022–Dec 2022
Quality Assurance Engineer | Java, Postman                                               Ottawa, ON
- Designed and implemented automated integration and regression tests for RESTful APIs in Java.
- Developed 500+ module tests employing object-oriented and data-driven testing to ensure comprehensive test coverage.
- Utilized Swagger and Postman for API test preparation and validation, ensuring accurate and reliable API functionality.

## PROJECTS

**TopBot** | React, Supabase, Python, GitHub Actions - *Link to Project*                    Apr 2024
- Designed and developed a React application for tracking the App Store rankings of cryptocurrency apps in real-time, utilizing Supabase for data management and Python scripts for daily back-end data acquisition.
- Identified and reverse-engineered publicly available APIs, allowing for free data acquisition.

**PodSearch** | Next.js, Python, Hugging Face, Sentence Transformers - *Link to Project*    Nov 2024
- Hosted a Semantic Textual Similarity model locally from Hugging Face, utilizing Sentence Transformers to embed podcast transcripts to enable semantic search functionality.
- Developed a search engine supporting natural language queries to pinpoint the timestamps where queries are answered.

## SKILLS

- **Languages**: C/C++, Java, Kotlin, Python, Scala, JavaScript, TypeScript, HTML/CSS, MySQL, Postgres, Bash
- **Tools**: Git, Jira, Azure DevOps, Jenkins, Postman, Swagger, Supabase, Firebase, Jupyter Notebook, Figma
- **Frameworks**: React Native, React, Next.js, Node.js, jQuery, Apache Spark, Apache Hadoop
- **Interests**: Poker, Product experience, Web development, Mobile development, Machine learning