Jayansh Bagga

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EDUCATION

B.Sc - Specialization in Computer Science with Minor in Software Engineering at University of Western Ontario   *Class of 2027* | London, Ontario
- Western International Scholarship of **($25,000)**, RBC Overhaul Case Competition **(Top 5).**
- **Relevant Coursework:** Information Systems, Fundamentals I (Python), Fundamentals II (Java), C Unix and Software Tools, NLP and Data Analysis, Data Structures and Algorithms (DSA), Discrete Math, Computer Systems & Architecture.

WORK EXPERIENCE

Carlo Romano   **Agra, Uttar Pradesh**
Data Analyst Intern   *June – September 2024*
- Completed a 16-week internship at an esteemed Italian leather and shoe manufacturer company in integration with the Italy office.
- Developed effective data analysis projects using Python and SQL to automate the validation of User Experience and Feedback.

Sentiment Analysis on Carlo Romano's Indian Online-Shopping Customer Data.
- Developed a Natural Language Processing pipeline to automate the classification & analysis of customer feedback data.
- Processed large datasets to identify key trends in customer sentiments in the Indian market online-shopping users, enabling data-driven decision-making using python and libraries like Natural Language Toolkit (NLTK) and Pandas.
- Integrated SQL to manage and query the structured data, enhancing operational efficiency by delivering actionable insights to the marketing and product teams to perform analysis into and present to the upper-management teams.

Outlier AI   **Remote**
Generalist Prompt Engineer   *September 2024 - Present*
- Developed and refined AI models through effective prompt engineering, contributing to various projects aimed at exploring innovative applications of artificial intelligence, resulting in a **10% increase** in the efficiency of model output accuracy.
- Freelancing remotely, I gained hands-on experience in large language models and AI-driven solutions.

Books En Beyond   **New Delhi, India**
Social Media & Content Development Intern   *April - June 2022*
- Completed an internship for a non-profit organization working towards creating awareness for the community.
- Developed and managed social media content, increasing engagement by **20%**. Assisted in creating and scheduling posts.

Promotional Multimedia Content for an Indian-Based Sensitized Drama Film Kashmiri Files.
- Documented and collaborated with celebrities like Anupam Kher's experience regarding the movie's sensitivity.
- Improved the movie's online presence by aggregating over **15,000** views on produced YouTube and Instagram content.

PROJECTS

Savify Fintech App   **London, Ontario**
Founder | Technical Lead   *January 2025*
Project Link: https://savify.ca/
- Leading a **five-member** team in building a next-generation FinTech app focused on goal-based savings and personal financial wellness through machine learning insights and gamified user engagement.
- Architected and deployed the MVP website as a launchpad for early traction, showcasing key features like automated savings, spending analytics, and personalized goal tracking. Projected to onboard **500+ users** in the first month, scaling to **1,500+** active users post full backend integration and app release.
- TechStack utilized [React Native, Node.js, Express.js, MongoDB, Google OAuth, JWT Authentication, Postman, Styled Components, Expo EAS for cross-platform builds, and CI/CD pipelines for streamlined updates]

Western Digital Society   **London, Ontario**
Member | Hacker   *October 2023*
Project Link: https://wds-overhaul-group-hakurei.vercel.app/
- Participated in various case competitions with banks and tech startup sponsorships and prizes.

InkLink – RBC X WDS Overhaul Hackathon Case Competition (Top 5).
- Conducted a thorough debugging of HTML & UI/UX code to enhance the functionality and aesthetic appeal of website.
- Developed a comprehensive presentation encompassing both business and technical strategies to improve the company.

EcoVille Mobile App   **New Delhi, India**
Co- Founder | Front End Engineer   *June 2021*
Project Link: https://www.youtube.com/watch?v=KbLU1I4Y-rY&t=41s
- Created an app mock in collaboration with **University of Sydney**, aligning with SDG 13: Climate Action & Environmental Sustainability.
- Environmental Nuisance reporting with Geotagging feature, with an uplink to the local Neighborhood Watch, to report fires, illicit activities, and any unusual behavior in the area that generated undue pollution. Tried to introduce an **in-app currency** redeemable at fast food joints, did not materialize.

ADDITIONAL INFORMATION

Awards: CII's Most Popular Hackathon – National Winner | Founding Board Member – Research Association of Science Students |
Skills: Java | Python | C | C++ | OOP | UI/UX | App Dev | SQL | Prompt Engineering | Web Dev | C Programming | JavaScript | Unity | Network Design | Frontend | Backend | MongoDB | API | Testing | AWS | Full Stack Development | BCrypt | React Native | Node.js | REST APIs | English (Native Proficiency), Spanish, Hindi (Native Proficiency) |