IBADATT SINGH AULAKH

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Summary

Bachelor of Computer Information Systems graduate with hands-on experience in Python software development, seeking to join as a Junior Software Developer in a reputed firm. Strong foundation in backend programming, databases, and API development, with a passion for building scalable software solutions.

Technical Skills

- **Languages**: Python, Java, C++, SQL, Haskell
- **Frameworks & Tools**: Django, FAST API, Git, Docker (basic)
- **Databases:** MySQL, Oracle, MongoDB (beginner)
- **Concepts:** OOP, Data Structures & Algorithms, Agile/Scrum
- **Other:** PHP, HTML, CSS, JavaScript, AWS, UX/UI design tools, System Administration, AI & ML

Experience

Python Developer Intern / Trainee
ObjectBright Inc – Vancouver, Canada | May 2024- August 2024- [4 Months]

- Developed and deployed Python scripts to parse and extract structured data from PDFs, published clean, tested code to the main branch.
- Gained hands-on experience with web scraping tools such as BeautifulSoup, Selenium, and Requests to automate data extraction from dynamic and static websites.
- Collaborated in the QA process as a GitHub second approver, reviewing pull requests from peers alongside senior developers.
- Worked on back-end development using PHP and Laravel, connecting front-end interfaces to MySQL databases.
- Designed and implemented relational databases, focusing on normalization, indexing, and schema design.
- Integrated AI-assisted coding tools like copilot into the development workflow to enhance productivity and code quality.
- Set up. gitignore configurations to exclude sensitive or large SQL data from version control.
- Worked in an Agile team, participating in daily stand-ups and sprint planning.
- Implemented unit tests and improved code quality through version control (Git).

Tech Support Representative
Staples – Vancouver, Canada | Dec 2023- July 2025 [part-time during Study]

- Formatting computer storage devices, Installation of new operating systems and anti-virus and building custom desktops.
- Provided Windows Server and Desktop support, troubleshooting and maintaining end-user systems.
- Implemented Group Policies (GPOs) to standardize configurations and improve security across devices.

Projects

(https://ibadatt-2k.github.io/portfolio/website)

- Developed a responsive, SPA-style portfolio using React and Vite (fast bundling + HMR)
- Integrated interactive visuals (e.g. 3D models in /3D_model/bot, dynamic image galleries), enhancing user engagement
- Configured with .gitignore, CI/CD workflows under .github/workflows/pages for streamlined GitHub Pages deployment.
- Styled with custom CSS and deployed via GitHub Pages using Vite's production build (package.json, vite.config.js)
- Included a metrics dashboard (stats.html) to visualize site activity or personal stats.

Diabetes Risk Predictor – Machine Learning Web Application
GitHub Repo | Live Demo(https://diabetes-streamlit-frontend.onrender.com/?utm_source=chatgpt.com)

- Built and compared machine learning models (logistic Regression, Random Forest, XGBoost) to predict diabetes risk from patient health metrics.
- Developed a Streamlit frontend for interactive risk predictions, deployed via Render.
- Designed a FastAPI backend to support RESTful model inference.
- Performed data preprocessing, feature engineering, and evaluation using metrics like accuracy, precision, recall, and AUC.
- Leveraged GitHub version control, Docker containerization, and CI/CD deployment practices.

Education

Bachelor of Computer Information Systems
From University of Fraser Valley – Vancouver, Canada in April 2025

Extra-curricular

- Volunteer: Assisted a student group in building a simple web app.
- Developed and maintained a responsive WordPress website for clients across healthcare, finance, and e-commerce industries
- Collaborated with UI/UX designers and project managers to deliver mobile-friendly and SEO-optimized websites.
- Languages: English (fluent), Punjabi and Hindi