Ashish Thomas

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Software Engineering | Data Science | AI/ML

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EDUCATION

Northeastern University — Sep. 2022 – Dec. 2025

Bachelor of Science in Computer Science, Concentration in AI — *Boston, MA*

Honors: GPA: 3.8, Dean's List

Courses: Machine Learning and Data Mining, Algorithms and Data, Software Development

EXPERIENCE

Software Engineering Intern — Jun. 2025 – Sep. 2025

Atlassian — *New York, NY*

- Contributed to Trello's Billing Platform team by developing fullstack features using React, Node.js, and Express.
- Built invoice retrieval endpoints in C# calling MS SQL Server on AWS RDS for enterprise billing support.
- Leveraged internal GenAI models to accelerate design and coding workflows while building Typescript features.
- Ensured backwards compatibility for updates across GraphQL and REST API architectures across 3 services.
- Integrated third-party services like Xero and Salesforce into backend systems for enterprise subscription tracking.
- Migrated existing unit and integration test suites from Mocha to Jest, improving test speed and maintainability.

Data Science Co-op — Jan. 2025 – Jun. 2025

The TJX Companies, Inc. — *Framingham, MA*

- Worked on data science projects for Marketing, Finance, and Real Estate teams with Python and Pandas.
- Contributed to work on Sierra store-profitability machine learning (ML) model using Elastic Net Regression.
- Built market expansion simulation covering 600+ potential stores, shared to Finance and Real Estate directors.
- Developed and automated customer service report collection and dashboard creation with PowerBI.

Software Developer — Aug. 2024 – Dec. 2024

Scout Studio — *Boston, MA*

- Worked with a diverse team of developers and designers to improve the customer experience for Rooted Living.
- Converted Figma wireframes to an engaging UI/UX through the Shopify platform with HTML/CSS/JavaScript.
- Fixed the client website's values section to work across mobile and desktop screens while improving performance.

Data Analytics and Engineering Co-op — Jan. 2024 – June 2024

Massachusetts Bay Transportation Authority — *Boston, MA*

- Led extraction and transformation of procurement and financial data by building Tableau and Trello workflows.
- Rebuilt ETL pipeline with Python, Pandas, SQL, and Crontab in Linux environment to handle 100,000+ records.
- Wrote Selenium scripts to automate collection of rail station reports, improving maintenance analysis time 60%.
- Developed a time-series forecasting model with XGBoost and MLForecast to assess risky purchase orders.
- Managed KPI dashboards with visualization of purchase order fulfillment across 5 departments with Python.

PROJECTS

Kicks | *React, MongoDB, Flask, Hugging Face, AWS* — June 2024 – Sep. 2024

- Designed and deployed a full-stack web application for shoe recommendations with React and Tailwind CSS.
- Built a REST API microservice with Flask, Nginx, and Gunicorn for retrieval of 100+ shoes, hosted on AWS EC2.
- Applied prompt engineering techniques with a Llama 3.1 LLM via Hugging Face's Inference API for shoe options.
- Stored users' shoe searches in MongoDB and retrieved them on Gallery page through an Express backend.

TECHNICAL SKILLS

Languages:	Python, TypeScript, SQL, C#, Java, HTML/CSS
Frameworks:	React, Node.js, Flask, Django, JUnit, Express, Selenium
AI & Cloud:	AWS, Docker, Hugging Face, WatsonX, OpenAI
Developer Tools:	Git, Jira, VSCode, IntelliJ, Eclipse, Miro, Trello
Libraries:	Pandas, NumPy, Matplotlib, SciKit-Learn, PyTorch, TensorFlow, XGBoost