

Hemen Babis

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EDUCATION

Portland State University Honors College

Portland, OR

Bachelor of Science in Computer Science, Minor in Physics

Graduation: Dec. 2025

GPA: 3.76 | Honors/Awards: Full Tuition Scholarship, Honors Laurels Scholarship

Relevant coursework: Data Structures & Algorithms, Machine Learning, Software Engineering, Quantum Computing

Portland Community College

Portland, OR

Associate of Arts Oregon Transfer: Computer Science

Jan. 2022 – June 2023

GPA: 3.89 | Honors/Awards: President's List, Dean's List, Phi Theta Kappa

TECHNICAL SKILLS

- Programming & Computational Tools:** Python (TensorFlow, PyTorch, Biopython, scikit-bio), C++, C, Java, JavaScript, SQL, R (tidyverse, Bioconductor)
- Software Development & Cloud:** Flask, FastAPI, REST APIs, React (Next.js, TypeScript), Google Cloud (BigQuery, Cloud Functions), Linux, Git, Docker
- AI & Machine Learning:** NLP (Transformers, LLMs), Deep Learning (CNNs, RNNs), Generative AI, Quantum Computing (Qiskit)

RELEVANT EXPERIENCE

Stealth Startup - AI/ML Engineer Intern | San Francisco, CA

Sep. 2024 – Present

- Achieved 30% increase in productivity by developing and deploying an AI-driven project management tool using Gemini API.
- Boosted operational efficiency by 40% by optimizing business automation models with Python & TensorFlow, reducing manual tasks by 50%.
- Cut operational overhead by 35% by designing and integrating a real-time task prioritization system using Flask.
- Enhanced user engagement by 25% through AI-driven solutions, collaborating closely with full-stack engineers, streamlining decision-making and improving end-user satisfaction.

Maryland Tutoring Services - Software Engineer Intern | College Park, MD

Feb. 2023 – Aug. 2024

- Improved response time by 50% by developing a generative AI-powered tutoring assistant using LangChain.
- Reduced downtime by 15% & increased system performance by refactoring and optimizing backend logic in Flask & FastAPI.
- Boosted query processing speed by 30% by automating data preprocessing pipelines using Python & Pandas.
- Streamlined recruitment cycles & onboarding by leading software engineer hiring efforts.

PROJECTS

AI-Powered Research Assistant - Lead Developer | Team of 3

[GitHub](#)

- Reduced manual research time by 50% by developing an AI-powered assistant that summarizes PDFs, extracts key insights, and automates queries.
- Increased data extraction precision by 30% by optimizing NLP pipelines with LangChain & OpenAI API.
- Enhanced query processing efficiency by 40% by integrating Flask-based API with Google Cloud.
- Tech Stack: Python, OpenAI API, LangChain, Flask, Google Cloud

Stock Price Predictor | Solo Project

[GitHub](#)

- Developed an LSTM-based deep learning model in TensorFlow, achieving 85% stock price prediction accuracy, aiding investors in making informed decisions
- Improved training efficiency by 20% through feature engineering and data normalization in Pandas & Scikit-Learn.
- Enabled real-time market analytics by deploying a Flask-based API on Google Cloud.
- Tech Stack: Python, TensorFlow, Scikit-Learn, Pandas, Flask

AI-Driven Project Manager - AI Engineer | Team of 12

[GitHub](#)

- Increased workflow efficiency by 35% by designing a project management assistant powered by Gemini AI.
- Automated task assignments & tracking with an AI-powered prioritization model, streamlining project execution.
- Integrated AI with project management tools through a Flask-based API for seamless workflow automation.
- Tech Stack: Python, Flask, Gemini API, Google Cloud