

Ahmed Abbas

abbasah@oregonstate.edu | linkedin.com/in/abbasaa | github.com/ahmedabbas03

Education

Oregon State University – Bachelor of Science in Computer Science
GPA – 3.58

Expected May 2025

Skills

Languages: Python, C++, Java, JavaScript, TypeScript, SQL

Frameworks: React, NextJS, NodeJS, Express, Flask, Django, FastAPI

Developer Tools: Git, Docker, GCP, AWS, Postman

Experience

Teaching Assistant, Oregon State University – Corvallis, OR

Jan 2024 – Present

- Conduct office hours for 200+ students in the Programming 1 course on Microsoft Teams, offering support and guidance
- Manage student discussion boards on Canva to encourage active participation and foster learning interaction
- Evaluate and grade 50+ assignments and projects fairly and consistently by following established guidelines

Projects

BudgetBuddy Expense Tracker, Python, Matplotlib, CLI, and GitHub

[Github Code](#)

- Developed a Python application to enable users to track and categorize their monthly expenses
- Implemented user input functionality to add expenses, capturing name, category, and amount details
- Designed CSV file handling for efficient storage and retrieval of expense entries, ensuring data persistence
- Integrated features for calculating and visualizing budgets to monitor monthly spending and manage budgets
- Leveraged Matplotlib to produce visual breakdowns of expenses and stored them as PNG files for convenient

PlaylistApp, Node, MongoDB, Express, React and Node

[Github Code](#)

- Developed backend web service with JWT authentication by designing APIs, modeling data, and optimizing caching
- Built a React web app interfacing with REST API for seamless music navigation and playback
- Designed and implemented RESTful APIs for authentication, playlist management, and recommendation services
- Implemented a personalized recommendation system leveraging MongoDB user data to improve user engagement
- Automated deployment on GitHub and Render platforms to reduce deployment time

Top US Companies Analyzer, MongoDB, Express, React and Node

[Github Code](#)

- Developed a Python script to scrape data from the top 100 companies in the United States from Wikipedia
- Processed and cleaned data to extract key metrics such as company names, employee counts, and revenues
- Utilized BeautifulSoup for web scraping and pandas for data manipulation
- Created visualizations to present the top companies by revenue in a chart using matplotlib

Involvement

ColorStack – Member of a community fostering 9000+ Black and Latinx computer science students and collaborating on resume reviews and coding assistance, as well as staying up-to-date with career opportunities