

SIDHANT BAHL

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WORK EXPERIENCE

Flip **March 2023 – July 2024**
Los Angeles, CA
Product Engineer

- Sourced and maintained UPCs and ASINs for 100k+ products with 70% accuracy for competitor analysis
- Prompt engineered and fine-tuned OpenAI's GPT4 for an internal tool to match **100k+** products across FLIP and Amazon
- Used **multithreading** and **aihttp** in **Python** to speed up web-scraping and data processing by **4x**
- Developed and maintained scalable microservices using RESTful APIs, improving system performance and reducing response times by 30%
- Integrated Shopify's API using Python and PostgreSQL, automating order tracking and shipment monitoring, enhancing delivery update accuracy by 40%
- Implemented front-end features using React and TypeScript, improving customer satisfaction ratings by 25% and reducing duplicate orders by 15%
- Using data-driven insights from Mixpanel, identified security risks on user accounts such as social, email login, and password sharing. Implemented multi-factor authentication system, bolstering trust and user adoption. Implemented multi-factor authentication system, bolstering trust and user adoption

Westcap **June 2022 – Sept 2022**
San Francisco, CA
Software Engineering Intern

- Architected and implemented serverless functions using AWS Lambda, optimizing data processing workflows and reducing operational costs by 30%
- Extracted and cleaned data from external APIs for use in Docker-containerized applications running on EC2, enhancing data-driven decision-making processes
- Designed and implemented a CI/CD pipeline using Docker, and AWS services, reducing deployment time by 20%
- Developed and deployed a web app using NextJS with Express backend, improving user interaction and data processing efficiency by 25%
- Implemented UI changes based on customer feedback, reducing user-reported issues by 20%

Keysight Technologies **Jan 2022 – June 2022**
Remote
Software Engineering Intern

- Led a team of 5 students to design a responsive web application in React-Typescript frontend
- Developed a data rendering solution in Typescript backend, reducing log processing time by 50% and enabling real time analysis for hardware testing. Achieved significant performance improvements, enabling better data insights and analysis
- Conducted data analysis and visualization using Pandas for event timelines, handling log files up to 10 GB
- Implemented database operations with PostgreSQL, enhancing CRUD functionalities and query execution time by 25%

PROJECTS

Social Habit Tracker App

- An iOS application designed to help users build and track healthy habits. The app includes reminders and social sharing features like sharing your habits by uploading images, making it user-friendly and engaging
- Implemented user authentication, real-time data synchronization, and push notifications **Stack: React Native, Firebase**

Customer Feedback for Analysis

- Analyzed 300,000 customer reviews using Python, Pandas, and NLTK, Implemented sentiment analysis and entity resolution algorithms, extracting key insights to understand customer pain points and improve product features
- Utilized machine learning models to classify and categorize customer feedback, achieving 85% accuracy in predicting customer satisfaction levels **Stack: Python, Pandas, Natural Language Toolkit, Scikit**

TECHNICAL SKILLS

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

Cloud & Databases: Amazon Web Services (S3, Lambda, EC2) Microsoft Azure, Google Cloud Platform,, NoSQL, Postgres

Libraries and Frameworks: React.js, , Angular, Node.js, Express.js, jQuery, TensorFlow, Pytorch

DevOps & Tools: Docker, Kubernetes, GitHub Actions, Git, REST API, Figma, Agile, Jira, Confluence

Methodologies: Agile, Scrum

EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ **GPA: 3.52**

Bachelor of Science in Computer Engineering | Honors in Computer Engineering

Bachelor of Arts in Business Management Economics | Highest Honors in Business Management Economics

Relevant Courses: Data Structures and Algorithms, Computer Architecture, Operating Systems, Software Development