

ASHUTOSH GUPTA

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EXPERIENCE

Full Stack Intern

June 2024 – August 2024

Adanto Software | .Net 8, OpenAI GPT, ASP.NET, Agility, JWT, React.js, Material-UI, Docker, SQL Server

Idaho, USA

- Solely developed **Finance GPT**, with 20+ RESTful APIs with **ASP.NET Core, Entity Framework, Identity & JWT authentication**, using **LINQ** for efficient data retrieval and **GPT-powered LLMs** for predictive analytics
- Leveraged **OpenAI GPT models** with **domain-specific prompt engineering** and **embedding-based retrieval**, analyzing 50,000+ stock entries to generate high-accuracy **time series forecasts** and **NLP-driven** market summaries.
- Designed a **responsive React.js interface** with Material-UI, achieving a 95% satisfaction rate.
- Containerized models with **Docker**, deployed to **AWS** using **CI/CD** pipelines for scalable deployment.

Software Engineer

December 2020 – July 2023

HHAAExchange | Agile methodology, C# .NET, Angular, JavaScript, Kafka, SQLServer, PostgreSQL, AWS

Ahmedabad, India

- Secured 100% of passwords by **implementing AWS Secret Manager** in a **healthcare** application
- Crafted **10+ .NET Core 6.0 REST APIs** utilizing **CDC** to **synchronize data between servers** with **SQL queries** and **mediator design pattern** in **Agile Environment**, achieving synchronization of **75k+ records per ms**.
- Integrated **Datadog APM** to **monitor API performance**, and improving **anomaly detection**.
- Single-handedly re-architected** the remittance jobs in **SSIS packages** and reducing file processing time by 96%.
- Engineered a high-performance **Kafka Consumer** in **.NET Core 3.0**, processing 32,000 billing requests per ms.
- Refactored **Angular-based front-end components**, reducing page load times by 40%.
- Participated in **Hackathon**, developing a **DynamoDB-powered searchable tag model**, using **AWS Lambda**.
- Mentored 3 interns**, led knowledge-sharing meetings, and received **Best Employee Award** among 850+ employees.

Software Intern

May 2020 – July 2020

AtliQ Technologies | Python, SQL, AngularJS, AWS S3 Storage

Vadodara, India

- Led an end-to-end **AngularJS** with **SQLServer** stored procedures project in a **startup environment**, with 95% satisfaction.
- Upgraded **Python** scripts to integrate **AWS S3** with **Angular**, enhancing data accessibility.

PROJECTS

MASala AI — Multi-Agent Recipe Assistant | *Python, FastAPI, React.js, CrewAI, Gemini, AI, ML* 🧠 March 2024 - April 2024

- Built a **full-stack web app** using **FastAPI** and **React.js**, styled with **Tailwind CSS**, creating a real-time dashboard and backend system to track agent activity and return dynamic, tailored recipe outputs
- Developed a **Multi-Agent AI system** using **CrewAI** and **Google Gemini with Python** to generate personalized recipes, intelligently adapting to user ingredients, dietary restrictions, and allergies.
- Orchestrated and integrated **AI agents (Analyzer, Nutritionist, Chef, Presenter)** into a seamless pipeline, enhancing user wellness through **automated, personalized meal planning**.

Escape - Stealth Survival Game | *Unity, Unity3D, C#, AI, NavMesh* 🧠

February 2024 - April 2024

- Developed a thrilling **stealth-based survival game** in **Unity**, implementing **AI-driven zombie behavior** using **NavMesh** for patrolling, chasing, and attack mechanics.
- Engineered core **gameplay systems** in **C#**, including player movement, **AI interaction**, event-driven objectives, and physics-based animations.

StudentSmartRentals | *MongoDb, React, Node.js, Express, Agile, Firebase, GitHub* 🧠

September 2023 - December 2023

- Reduced average property search times by 50% through **strategic MERN stack integration**. Incorporated **Firebase authentication**, boosting trust scores by 25% and simplifying real-time data sync.
- Enhanced listing procedures via an **interactive property map** and **multimedia previews**, adding essential moving services to achieve a 20% surge in user engagement.

PicProcure | *Django, Python, JavaScript, Azure, MongoDB, Bootstrap, CSS, HTML* 🧠

June 2020 - August 2020

- Originated during festival season to automate photo sorting, **PicProcure delivers relevant images to each user seamlessly**, enabling efficient, **AI-driven content discovery**.
- Implemented a **Chinese Whispers clustering algorithm** in **Django**, leveraging **Azure Blob** for secure image hosting and achieving 97% clustering accuracy.

TECHNICAL SKILLS

Languages: Python, Java, C#, C, SQL, JavaScript, TypeScript, HTTP, HTML, CSS.

Web Technologies: Django, .Net, React, Angular, jQuery, Bootstrap, SSIS, NodeJS, Google Closure, Unity3D.

Database & Cloud: SQLServer, MySQL, MongoDB, PostgreSQL, DynamoDB, NoSQL, AWS(EC2, RDS, S3, Lambda, SM), Azure

Tools: Git, Visual Studio, Postman, Hangfire, Anaconda, Jupyter, DBeaver, SourceTree, Octopus, teamCity, BitBucket.

Other: OpenAI, Kafka, Docker, Kubernetes, Serverless Framework, CI/CD, Jira, Jenkins, Swagger, Confluence, Shell script

Certifications: HIPAA Awareness, Academic Excellence Award (4/4 GPA), Academic Leadership, Machine Learning Course

EDUCATION

Master of Science in Computer Science | Indiana University-Bloomington, USA | GPA: 4/4 | 🎓

August 2023 – May 2025

Bachelor's in Computer Engineering | Darmsinh Desai University, India | GPA: 3.6/4 | 🎓

July 2017 – May 2021