Shubham Paul

Herndon, VA | 703-981-3681 | Paul.shubham0006@gmail.com | github.com/Spaul006 | linkedin.com/in/shubham-paul0006

EDUCATION

George Mason University   Fairfax, VA
Bachelor of Sciences in Computer Science | GPA: 3.93/4.00   August 2024 – Expected May 2027
Relevant Coursework
Object-Oriented Programming, Intro to Computational/Data Sciences, Calculus 1, 2, 3, Discrete Math, Linear Algebra

EXPERIENCE

Digital Solutions/Software Engineer Intern   June 2025 – Present
Keylogic   Herndon, VA
- Architected a Gemini 2.0 flash and GPT-4o backed talent acquisition platform processing 1,000+ candidate profiles, reducing proposal response time by 75% through automated resume parsing, role-requirement extraction, and intelligent candidate-to-project matching algorithms with AWS S3 cloud storage
- Developed enterprise-grade document processing pipelines handling multi-format Federal RFP/PWS files, achieving 95%+ accuracy in skills and certification extraction by implementing Gemini 2.0 Flash with specialized prompt structures and MongoDB aggregation frameworks
- Deployed an "Talent Intelligence Copilot" chatbot powered by GPT-4o that scrapes live MongoDB analytics in seconds, reducing stakeholder data-request turnaround from 1 day to real-time and informing bid/no-bid and staffing decisions on $50 M+ proposals

AI/ML Developer   April 2025 – Present
Eduverse   Fairfax, VA
- Engineered and fine-tuned a Gemini AI model on 50,000+ JSON project records in AWS S3, reducing out-of-scope suggestions and outputs by 85%
- Designed and deployed an AWS pipeline ingesting JSON training data from S3, training with SageMaker, and enforcing IAM policies to restrict model access to specified S3 buckets
- Optimized Python training scripts for the Gemini model in AWS SageMaker, enhancing computational efficiency by reducing overall training time by 30%

Software Engineer & AI Tester   March 2025 – Present
Outlier   Remote
- Conducted comprehensive evaluations of AI-generated code, providing targeted feedback that boosted algorithm accuracy by 20%
- Designed and executed various test cases to validate code functionality and efficiency in a dynamic remote work environment
- Collaborated with cross-functional teams to integrate and optimize AI solutions for NLP tasks; reduced error rates by 15%

Data Science Intern   May 2023 – June 2023
Infinity Solutions   Herndon, VA
- Leveraged Python and utilized SQL, Pandas, and NumPy to process and clean datasets exceeding 100,000 records
- Collaborated with senior data scientists to optimize data cleaning, visualization, and interpretation processes; reduced script processing times by 15%
- Collaborated on the development of automated anomaly-detection scripts, cutting manual data-quality checks by 70%

PROJECTS

Semantic Research Portal | React.js, Flask, Hugging Face, Google Cloud Vertex AI, SQLite, Tailwind CSS
- Built a React.js frontend and Flask backend integrating Hugging Face's Transformer and Google Gemini 1.5 to semantically embed and match research queries against a metadata-rich SQLite index- 1st Place Winner at GMU GDG Buildathon 2025
- Designed a responsive Tailwind CSS UI featuring instant type-ahead search, embedding caching, and real-time relevance scoring, surfacing contextual paper summaries, similarity scores, and direct links to streamline academic literature discovery

SmartCampus | MongoDB, Express, React, Node.js, Leaflet.js, localStorage, JavaScript, HTML, CSS
- Developed a full-stack MERN application with interactive campus maps using Leaflet.js, integrated weather API, emergency contacts, and route planning tools. Project placed 3rd at George Mason University HackFax 2025
- Implemented class scheduling with CRUD operations and data persistence via localStorage and MongoDB; built responsive UI with React, styled-components, and robust error handling

Fitness Coach AI Chatbot | Python, CSS, Gradio, OpenAI API, HuggingFaces
- Developed an interactive fitness coach chatbot using OpenAI's ChatCompletion API and implemented a custom Gradio interface with tailored CSS for a responsive, engaging user experience
- Integrated dynamic UI components and deployed the application on HuggingFace Spaces, leveraging its optimized infrastructure for scalable public access

SKILLS

Programming Languages & Core Technologies: Java, Python, SQL, R, JavaScript, TypeScript, HTML, CSS, JSON, MongoDB, RESTful APIs, Git, Docker, AWS S3, Google Cloud Platform
Frameworks, Libraries & Specialized Tools: React, FastAPI, Express.js, Material-UI, Vite, OpenAI API, Google Gemini API, Motor, Pydantic, AsyncIO, Pandas, NumPy, pdfplumber, VS Code, PyCharm, Eclipse, Jupyter Notebook, MongoDB Compass, Postman

Soft Skills: Teamwork, Critical Thinking, Public Speaking, Communication, Leadership, Organization, Efficiency, Availability

CERTIFICATIONS

IBM Data Science Professional Certificate
- Completed hands-on projects with Python and SQL, including building machine learning models and deploying Jupyter Notebook workflows to solve real-world problems, along with utilizing machine learning techniques to analyze and interpret data