Sahil Al Farib

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EDUCATION

United International University <div align="right">Dhaka, Bangladesh</div>
Bachelor of Science in Computer Science and Engineering <div align="right">*July. 2022 – Aug, 2026 (Expected graduation date)*</div>

Cumilla Victoria Government Collage <div align="right">Cumilla, Bangladesh</div>
Higher Secondary Degree <div align="right">*May. 2018 – June 2020*</div>

EXPERIENCE

Open Source Contributor
Google Gemini (Generative AI JavaScript SDK)
- Submitted a successful pull request fixing a critical issue in ESLint integration where `.gitignore` paths were not parsed correctly on Windows
- Implemented a fallback to `.eslintignore`, enhancing cross-platform compatibility and robustness
- Improved developer documentation in `readme.md`

Competitive Programmer
Online Judges: Codeforces, CodeChef, LeetCode, HackerRank
- Achieved **3rd place** in the Inter-UIU Advanced Programming Contest
- Solved over **800+** algorithmic problems using C/C++ across multiple competitive programming platforms

Kaggle Competitor - Prediction Challenge
Spaceship Titanic Competition
- Ranked **62nd** out of 2,166 participants in a binary classification competition
- Engineered and tuned ML pipelines using Python (pandas, scikit-learn) for passenger fate prediction

PROJECTS

FairBasket – AI-Powered Marketplace | *MERN Stack, Firebase, AI, Python, RAG, Tailwind, LangChain*
- Secured **2nd place** on the Learnathon 3.0 MERN Stack Leaderboard
- Built a full-stack grocery platform connecting farmers, retailers, and consumers for transparent, direct sourcing and delivery
- Developed features including AI-powered product recommendation system that suggests products from the database based on prompt and budget
- Designed an intelligent support system using LangChain + Gemini + RAG for real-time AI chat assistance

Instagram Content Automation AI-Agent | *Python, CrewAI, OpenAI API, Poetry, YAML*
- Developed a chatbot capable of interacting with any website, extracting and summarizing information using LangChain and Retrieval-Augmented Generation (RAG)
- Integrated GPT-4 for natural conversation and answer generation, with support for switching to other models (LLaMA 2, Mistral, Ollama)
- Implemented vectorization and similarity search to fetch relevant site data and augment LLM responses for context-aware answers
- Enabled a seamless knowledge augmentation pipeline for real-time website-based querying using only Python and LangChain

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript (ES6+), SQL (PostgreSQL), NoSQL (MongoDB), HTML5, CSS3, Bash
Frameworks: React.js, Next.js, Node.js, React Native, Tailwind CSS, ShadCN/UI, FastAPI, Express.js, Vite, MongoDB, PostgreSQL, SQLite, Prisma ORM, Framer motion
Developer Tools: VS Code, GitHub, Postman, Docker, Figma (basic), Notion, RESTful APIs
AI/ML: OpenAI API, Gemini API, Retrieval-Augmented Generation (RAG), Pinecone Vector DB, YOLOv8, LangChain, CrewAI, OpenCV, TensorFlow (basic), pandas, NumPy, Matplotlib, Scikit-learn