Avishake Adhikary

Machine Learning Engineer | Full Stack Developer

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in avishakeadhikary

📅 15th March 2001

📍 Kolkata, India

○ AvishakeAdhikary

🎓 EDUCATION

Masters in Computer Applications
Amity University Kolkata ⧉
September 2021 — June 2023 | Kolkata, India
8.28 CGPA
Class Representative

Bachelors in Computer Applications
Amity University Kolkata ⧉
2018 — 2021 | Kolkata, India
8.21 CGPA
Class Representative
IT Club Admin

High School
Kendriya Vidyalaya No. 1 Salt Lake ⧉
2016 — 2018 | Kolkata, India
73.80%

Middle School
Kendriya Vidyalaya No. 2 Salt Lake ⧉
2005 — 2016 | Kolkata, India
7.6 CGPA

🌐 LANGUAGES

English

Bengali

Hindi

German

Spanish

🔧 INTERESTS

- Artificial Intelligence and Machine Learning
- Mobile Application Development
- Web Development
- IOT and Cloud

📂 PROJECTS

AI Job Assistant
November 2023 — present
- Singlehandedly created the front-end and back-end for the AI Job Assistant.

💭 TOP SKILLS

Java ●●●●●

JavaScript ●●●●●

Python ●●●●○

Data Structures & Algorithms ●●●●○

C++ ●●●○○

Computer Architecture & OS ●●●○○

💼 PROFESSIONAL EXPERIENCE

Machine Learning Engineer | Graduate Engineer
PTS Consulting Services ⧉
August 2023 — present | Kolkata, India
- Implemented the VGG16 model for the IDPUI project, enabling effective project comparison.
- Integrated Okta's Single Sign-On (SSO) into the Yujj App and implemented QR code generation.
- Took a leadership role in UI development for KoyoX, an AI job assistant application.
- Independently developed the front-end and back-end for the AI Job Assistant, integrating OpenAI's new assistants API with custom knowledge base data.

Web Developer Intern
Travarsa Private Limited
July 2022 — August 2022 | Kolkata, India
Project Name : MediFitServe
- Developed a fully functional full-stack web page using WordPress for the project "MediFitServe."
- Integrated Custom Pop-Ups, Design, and File Upload functionality for an enhanced user experience.
- Conducted SEO and SEM activities to improve the website's visibility and reach.
- Successfully deployed the website to a custom hosting space on a server.

Web Designer and Digital Marketing Analyst
Travarsa Private Limited
April 2020 — June 2020 | Kolkata, India
Project Name : Guide Me Wide
- Utilized WordPress to develop a fully functional full-stack web page for the project "Guide Me Wide."
- Implemented Custom Pop-Ups, Design, and File Upload functionality to enhance user engagement.
- Executed SEO and SEM strategies to optimize the website for search engines.

- Integrated OpenAI's new assistants API with custom knowledge base data for enhanced functionality.

KoyoX - AI Job Assistant UI Development ⧉

November 2023 — present

Took a leadership role in the UI development for KoyoX, an AI job assistant application.

Yujj ⧉

October 2023 — present

- Integrated Okta's Single Sign-On (SSO) into the Yujj App, enhancing security and user experience.
- Implemented QR code generation for seamless authentication and data exchange.

Text-To-Image Generator ⧉

May 2023

- Created a GUI application for generating images from text prompts.
- Implemented the Stable Diffusion Pipeline, a machine learning model based on the diffusion process, for image generation.
- Managed dependencies and prerequisites, including PyTorch, diffusers, and matplotlib, and provided clear installation instructions.
- Obtained and utilized a HuggingFace API Token for authentication and seamless integration with the Stable Diffusion Pipeline model.

Face Recognition Flutter ⧉

February 2021

- Developed a full-stack application using Dart language.
- Utilized third-party APIs including FirebaseImage and FlutterCamera.
- Integrated MLVision API for robust face recognition capabilities.
- Employed PathProvider API to store facial data into a JSON file.
- Enhanced mobile performance through GPU Delegates.
- Implemented Painter to visualize faces on the camera preview.

Med-It-Yourself ⧉

June 2020 — July 2020

- Engineered a full-stack native Android health application featuring a material design UI.
- Implemented both user and provider sides within the same application.
- Utilized third-party APIs such as Glide for seamless image loading.
- Employed multi-threaded programming to enhance application performance.
- Integrated HTTP networking for efficient data communication.
- Incorporated Google Maps, Directions, and Places API for enhanced functionality.

- Deployed the website to a custom hosting space on a server, ensuring seamless accessibility.

TOP CERTIFICATES

- Microsoft Certified: Data Analyst Associate with Power BI ⧉
- Google Cloud Platform Fundamentals for AWS Professionals ⧉
- Getting Started with AWS Machine Learning ⧉
- AWS Computer Vision: Getting Started with GluonCV ⧉
- Industrial IoT on Google Cloud Platform ⧉
- Build Your First Android App ⧉

COMPUTER PROFICIENCY

- Java & JavaScript (ReactJS & Angular) & Python & C & C++
- AWS & Azure & Google Cloud
- Flutter & Swift
- Git (CICD Pipelines) & Bitbucket
- Node.JS (Express.JS)
- Data Structures & Algorithms
- HTML & CSS & PHP
- MySQL & PostgreSQL & ORACLE SQL & SQLite & Firebase
- JSON & XML (REST APIs)
- Unix & Shell Programming
- Computer Architecture & Operating Systems & MS Office

PUBLICATIONS

Machine Learning (ML) and Blockchain for IoE: A Deep Insight into Framework, Security, and its Applications with Industrial IoE ⧉
Routledge - Taylor & Francis Group
29th September 2023

Deep Learning for COVID-19 ⧉
Springer International Publishing

Development on Risk based Information Security Standard for Adaptation of Blockchain enabled systems ⧉
Springer International Publishing

Design of an IoT-Based Mobile Healthcare Unit Using a Self-Regulated React.js Database and Arduino ⧉
Apple Academic Press