Arkapratim Mondal

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Education

University of Manchester, First-year student   Manchester, UK
Sept 2024 – Oct 2028
- **Course:** BSc. Computer Science with Industrial Experience
- **Modules**: HTML, CSS, JavaScript, React.js, Git, SQL, Python, Verilog, RISC-V

Amity International School Sec-46, Student   Gurgaon, India
Mar 2011 – Mar 2024
- Graduated with First Class Honors (94%+) in Maths, Physics, Computer Science)

Experience

Database Administrator & Systems Lead   Gurgaon, India
Brahma Kumaris   Jan 2020 – Sept 2022
- Pioneered the transition of an analog database to a digital system, managing and updating over 1,000+ records, and implementing optimizations that improved system performance by 30%.

Lead Events Officer   Manchester, UK
Google Developers Group, UoM   Sep 2024 - Present
- Organized and managed 10+ engaging tech-focused events for a diverse community of over 200 members, including workshops, hackathons, and social gatherings.

Programming Lead   Manchester, UK
Manchester CanSat Project   Sep 2024 - Present
- Led the development and integration of software for a miniaturized satellite (CanSat), ensuring efficient communication, data collection, and control systems.

Projects

Automated Attendance System using Facial Recognition   2023-2024
github.com/Attendance ⬀
- A facial recognition-based attendance system built with React.js and Lucide-React for the frontend, and OpenCV, NumPy, scikit-learn for facial recognition.
The backend is powered by FastAPI, CORS middleware, and Uvicorn.

Financial Tracker App   2023-2024
github.com/FinTracker ⬀
- A finance management app that tracks income, expenses, and savings trends, built with React.js and Ant Design for UI and data visualization. PapaParse handles file parsing, while Firebase provides secure authentication and real-time data syncing.

Google Keep Clone   2023-2024
github.com/Keep_Clone ⬀
- A task management app resembling Google Keep, created with React.js and MUI Library for the frontend, UUID for unique note IDs, and react-beautiful-dnd for drag-and-drop functionality.

Weather Forecasting App   2023-2024
github.com/Weather ⬀
- A weather forecasting web-app providing real-time weather updates for locations worldwide. Built using React.js, AsyncPaginate, OpenWeather API, and GeoDB API.

Leadership & Awards

Vidyarthi Vigyan Manthan, India   Sept 2023 – Nov 2023
vvm.org.in ⬀
- Placed 3rd out of over 1000 students in India's biggest science competition.

Tech Syndicate Club Member, Amity International School   Mar 2023 – Mar 2024
techsyndicate.us ⬀
- Planned and conducted 5+ technology workshops, competitions, and team projects for the school's largest tech club with 300+ students.