Supriyo Paul

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Experience

Automation engineer, IBM India

- Automated SAP workflows for F&L, EWM, T&P, MSE and Supply chain.
- Remediated old automated scripts from sap ecc environment to sap s4 environment.
- Automated microsoft excel, sap fiori web app, sap desktop gui and many more.
- Tools used -> worksoft, ctm(continuous testing machine), azure devops, service now, microsoft excel, power bi

Android Developer Intern, Zospital, Remote

- Tools & languages used -> Kotlin, Jetpack Compose, Dagger Hilt, Firebase, Ktor.

Education

Electrical Engineering, Btech, Academy of Technology, Bandel, West Bengal   [06/2019—06/2023]

11th and 12th, Higher Secondary, Uttarpara Govt. High School, West Bengal   [03/2017—03/2019]

College Project

- **UnderGround Cabel fault detection using IOT**(01/2022, 01/2023)
- Developed a system that can determine the location of open circuit and short circuit cable faults
- Used ESP32 micro-controller with I2C 16x2 LCD display
- The system broadcast fault location to the LAN network using it inbuilt wifi module of esp32.

Personal Projects

- **RayTracer(09/2022, 10/2022) [tools: C++, Win32 Api, premake]**
- Barebone raytracer no external libraries used
- Generates bitmap image
- Used my own math library for computing ray paths and result color
- Uses multi-threading
- **Mintspace(06/2023, current) [tools: go, Makefile, Mysql]**
- Blogging app in golang
- Serverside rendering, bcrypt password encryption, jwt auth.
- It uses markdown to store blogs then converts it to html for display.
- **Mintspace api(01/2022 - 01/ 2022) [tools: Nodejs, typescript, mysql]**
- Clone of golang mintspace with only api endpoints
- Bcrypt password hasing, jwt auth, markdown blog files.
- **Unbeatable Tic-tac-toe (05/2020, 05/2020) [tools: python, pygame]**
- Made using pygame has an unbeatable AI which uses the minimax algorithm
- More interesting projects on my github.

Interests

- Computer graphics and graphics engines
- Video games
- Embedded systems