Ankur Agrawal

Software Developer | Power Engineer | Delhi-NCR
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EXPERIENCE

GEPDEC ENERGY PVT LTD
Noida | Nov 2022 - Apr 2023
Software Developer
- Designed user-friendly interface of Desktop Application.
- Developed desktop application using Flutter framework that interact with Electrical Energy Meter to collect instantaneous/stored data for analytic and research purpose.

GEPDEC INFRATECH LIMITED
Noida | July 2021 - Nov 2022
Engineer
- Determined project scope, boundaries, time frame and possible complications to produce accurate estimates.
- Prepared estimates used by management for planning, budgeting and scheduling work.

M/S SAUMYA TRADERS
Lucknow | Oct 2020 - July 2021
Engineer
- Responsible for interface, coordination and maintenance of 132kV/25kV Receiving Sub-Station of Uttar Pradesh Metro Rail Corporation at Transport Nagar, Lucknow.

EDUCATION

B.TECH (POWER ENGINEERING)
Nation Power Training Institute | Aug 2016-Oct 2020
First Division

SENIOR SECONDARY (CBSE)
Kendriya Vidyalaya, New Delhi | Apr 2015-Mar 2016
First Division

SECONDARY (CBSE)
Kendriya Vidyalaya, New Delhi | Apr 2013-Mar 2014
First Division

SKILLS

- C++.
- HTML, CSS and JavaScript.
- Dart and FLutter SDK.
- Git & Github.
- MS Office- Word, Power Point, Excel.

PROJECTS

ELECTRICAL ENERGY METER APPLICATION (DESKTOP) |
Software Developer | Nov 2022 - Apr 2023
- A desktop application that can request data from static energy meter through serial port (optical port on meter) and convert that data into required format using different algorithms to create documents for analytics and research purpose, which are saved locally and accessible through the interface. Third party libraries of Flutter used - libserialport, pdf, path_provider etc.

PING PONG GAME (WEB APP) | Personal Project
- Ping Pong is simple "tennis like" game features two paddles and a ball, a player gets a point once the opponent misses a ball. The game can be played with two human players. Used HTML, CSS and JavaScript for this project.

WALLPAPER APP (MOBILE APP) | Personal Project
- Wallpaper app developed using Flutter and pexel's API, where user can search and save different wallpapers from the pexel's library.

INTELLIGENT GRID PARAMETER MONITORING AND PROTECTION SYSTEM | B.Tech Major Project
- Small scale execution model of a centralized control network capable of monitoring Frequency, Load and Voltage along with over-current surge protection as an enabler for Edge analytic in a Smart Grid.

OTHER PROJECTS
- Calculator App- A simple calculator web app where users can perform fundamental mathematical operations.
- Under Project Prajwal, fused LEDs were collected from the households refurbished by underprivileged skill of for their establishing a self-sustained business. In its later stage LEDs were assembled and sold under "PRAJWAL" branding.
- Urja, a project of Enactus-NPTI, focused on teaching Organic Farming using Hydroponic and Aquaponic technique to the farmers which can be used for growing exotic crops for their economic upliftment without requiring extensive amount of water and land.

CERTIFICATES

- Coding Ninjas- MERN Stack Web Development Course, (2022-2023).
- Cyber Security Issues, Challenges and Remedies- NPTI(NR), (2019).
- Smart Grid and Renewable Energy Integration- NPTI, Faridabad (2017).
- Circuit Design and Simulation by IEEE NPTI-MSIT (2017).
- 800MW Super Critical Thermal Power Plant Simulator Training, (2019).

EXTRA-CURRICULARS

- Active member of Enactus NPTI as a part of Project Urja and Project Prajwal in helping the community (2016-2019).
- Secured firstrunner up position in the inter university tournament of Futsal.