Tarun Harishchandra Pal

Final year B.Tech student, Information Technology at IIIT Allahabad.

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EDUCATION

B.Tech in Information Technology

Indian Institute of Information Technology (IIIT-A), Allahabad, Uttar Pradesh.
11/2020 - Present   **C.G.P.A. : 8.49**

Higher Secondary (C.B.S.E.)

Jawahar Navodaya Vidyalaya, Chandrapur, Maharashtra
04/2018 - 04/2019   **Percentage : 93.40**

Secondary (C.B.S.E.)

Jawahar Navodaya Vidyalaya, Chandrapur, Maharashtra
04/2016 - 04/2017   **Percentage : 96.20**

SKILLS

Relevant Coursework

- Data structures, Algorithms,
- Operating Systems,
- Object Oriented Methodologies,
- Database Management System

Programming Languages

C/C++, HTML, CSS, JavaScript, PHP(Basic), Python (Basic), MySQL(Basic), Java (Basic)

Softwares and Tools

Node.js (Basic), React (Basic), SQL (Basic), MongoDB (Basic), Git (Basic), XAMPP

Languages

English, Hindi, Marathi

CODING PROFILES

Leetcode 🔗
Codeforces 🔗
Interviewbit 🔗
250+ DSA problems solved
GeeksforGeeks 🔗
500+ DSA problems solved

ACHIEVEMENTS

- **Achieved 158 Global Rank**

Global rank 158 in June Long Two 2022 Contest | Code-Chef

- **Solved Issue of Manual Irrigation**

Implemented Remote Irrigation System Web Service Developed a program that enables the functionality of a physical control panel to be accessed through a web-based virtual control panel.

- **Recommended for NDA**

Successfully cleared the NDA SSB (Staff Selection Board) from the 12th SSB board in Bangalore.

PROJECTS

Build Web Service based on Cloud and IOT Devices | Team Project

- Built a Full-Stack Web Service Application . GitHub.
- Developed an IoT device that utilizes Zigbee enabled sensors to collect real-time data and sends it to a cloud-based database via the HTTP protocol.
- Designed and developed a web application that facilitates data analysis, remote monitoring, and improved decision making and operations.
- Completed a course project focused on Cloud and Edge Computing.
- Python, Putty, HTML5, CSS3, Bootstrap, JavaScript, XAMPP, PHP, SQL

Shree Clinic

- Website Project provide a real-time clinic management platform. GitHub
- Integration of various technologies enables reliable data storage and efficient email communication.
- HTML, CSS, JavaScript, Bootstrap, SMTP, Google Script, MongoDB

Healthcare Management | Team Project

- Built an Healthcare Management Web App for Hospitals. GitHub
- Blockchain based project responsible for secure Medical Data.
- HTML5, CSS3, JavaScript, Solidity, Node.js, SQL

Brain Tumor Segmentation | Team Project

- Incorporated skip connections into the architecture of a 3D Residual U-Net model to improve performance. GitHub
- Achieved a model accuracy of 99.2% through various techniques and optimizations.
- Developed a machine learning mini project as part of a course.

Air Management System | Team Project

- Developed a Java-based application for monitoring air quality in real-time. GitHub
- Implemented a sensor system that collects and stores real-time data into a database for further analysis and processing.
- Completed an application development mini project as part of a course.

POSITION OF RESPONSIBILITY

Active Member, Prayaas Foundation, [2022 -till now]

- Facilitated learning for underprivileged students through interactive teaching methods
- Increased student engagement by 64% through personalized attention and encouragement
- Contributed to the development of the organization's fundraising events to support the education of students in need
- Skills developed: Leadership, Communication, Teamwork, Problem-solving