# VIVEK DUBEY

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## EDUCATION

### B.Tech. in Electrical and Electronics
**Birla Institute of Technology, Mesra**
📅 July 2018 - June 2022    ⚲ Mesra, Ranchi
8.15 CGPA

## EXPERIENCE

### Microsoft
**Software Engineer**
📅 July 2022 - Present    ⚲ Hyderabad, India

- Designed and implemented an app in **C#** to better connect to customers and provide them relevant contents and promotions, impacting **350M** customers.
- Designed, developed and delivered a major-ask feature in **C++** involving smart management of power options in devices that **increased** user base by **80k**.
- Designed and implemented a chatbot application consuming **LLM API** for chat completion to help buyers choose the right hardware and device.
- Proposed a feature and worked on end to end from designing to delivery, to automate device management that **reduced** business running costs by **20%**.
- Collaborated on implementing a feature to auto fix contents of devices saving **15K $** annually.
- Led the team in increasing our Accessibility scores by one level.
- Wrote a script in **powershell** that **increased** developer productivity by **25%**.
- Solved a screen-freeze bug in **C#** that saved a potential **6M $** loss per year to business.

### Wells Fargo
**Intern Analyst**
📅 January 2022 - July 2022    ⚲ Hyderabad, India

- Developed a prototype to improve software engineering experience using **JHipster**.

### Wells Fargo
**Software Engineer Intern**
📅 May 2021 - July 2021    ⚲ Bengaluru, India

- Implemented resume search by job description using **Elasticsearch, NodeJS** and **ExpressJS**, **speeding** up resume shortlist process by **480** times.
- Integrated a centralized Log Management using **Filebeat** and **Kibana**, containerizing the application using **Docker** and implementing **CI/CD** using **GitHub Workflows**.

## HOBBIES

Singing   Chess   Badminton

## ACHIEVEMENTS

- Competitive Coding Platforms - **Codeforces** (User handle - codinginveins) - **Expert (1841)** rating
  **Codechef** (User handle - codinginveins) - **5 star (2042)** rating
- **Microsoft Engage 2021** - Selected as one of among **400** mentees out of **50,000** applicants.
- **ICPC Amritapuri 2020 Regional Round** - My team secured **242** rank.
- **Ode2Code 2.0** - Secured **55th** rank out of **7316** participants organized by **Xiaomi India**.
- **Google Kickstart 2021 Round D** - Secured a world rank of **177** among **11,000+ participants.**
- **Google Hash Code 2021** - India Rank of **274** and Global Rank of **1561** among **9,004 teams**.
- **Educational Codeforces Round 104** - ranked **290** among **22,152 participants**
- **Code Gladiator 2020** - World finalist, **Top 300** among **2,52,365 participants**.

## SKILLS

- **CODING**
  C++   Data Structures   Algorithms

- **DEVELOPMENT** (Familiar)
  C#   Node.js   Express.js   MongoDB   AWS

- **DevOps** (Familiar)
  Elasticsearch   Kibana   Docker   Git and GitHub

## PROJECTS

### Project Portal | GitHub Link | Live Link
📅 November 2021    ⚲ Engage, Microsoft

- Wrote a **CRUD REST API** for viewing projects by students and managing projects by professors during the pandemic. Containerizing the application using **Docker** and implementing **CI/CD** using **GitHub Actions and Workflows**.
- **Tech Stack:** Frontend - **ReactJS, Semantic UI** & Backend - **NodeJS, ExpressJS, MongoDB**

### Pan Number Extraction | GitHub Link
📅 August 2019    ⚲ SPP, EEESoc, BIT Mesra

- Developed a program that extracts pan number from pan card images and stores in an excel sheet.
- Enhanced image-to-text conversion to about **90%** using image pre-processing techniques.
- **Tech Stack:** OpenCV, TESSERACT-OCR, Xlsxwriter