New Delhi, Delhi
India

AAKASH MANGLA

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PORTFOLIO
LINKEDIN

EMPLOYMENT

Software Engineer, Intern   **IHS Markit | Automotive Mastermind Inc**   **May 2021 – July 2021**
- Implemented Web APIs using ASP.NET Core, Repository Pattern and MVC Architecture successfully.
- Worked with Team Apollo on the products Market EyeQ and Enterprise EyeQ.
- Collaborated on more than 10 features with team and wrote unit and integration tests for the same.

Technical Operations   **Follege Inc**   **August 2020 – March 2021**
- Managed technology team, set performance goals, delegate and collaborate with a team of 5 members.
- Planned the use of technology within the company and strategized for the same. Conduct technical reviews of products or solutions.
- Released the Follege App on Google Play Store with more than 100 downloads in first month.

EDUCATION

New Delhi, India   **Bharati Vidyapeeth's College of Engineering**   **2018-2022**

- **Bachelor of Technology** in **Information Technology**, (**CGPA: 8.21**)
- Coursework: Data Structure, Object Oriented Programming, Algorithms Design and Analysis, Software Engineering, Operating Systems, Databases, Web Engineering.

New Delhi, India   **Ramjas Public School (Day Boarding)**   **2004-2018**

- **High School** (CBSE) Science: **93%**

TECHNICAL EXPERIENCE

Projects

E-Yantra Ball Balancing Platform [Link]
- Achieved the goal to traverse balls through a maze on defined paths within a stipulated time of 480 seconds to determine the quality of the ball balancing platform.
- **Tech Stack** - Image Processing, Control Systems, 3D Designing, Algorithm Building, Robotic Simulation, Python programming and Lua programming.

COVID-19 India Tracker [Link]
- Created website with real time statistics and news on **Covid-19** cases in India.
- Provides data for all 28 states and 8 union territories and displayed using tables, charts and maps. The website is responsive and works on all types of devices.

Classic Apple iPod Clone [Link]
- Attempted to recreate the **Classic Apple iPod** using **ReactJS.**

Tre-Way [Link]
- Solved the 3 main problems which are faced in cities these days - **Pollution, Traffic and Parking**. Tre-way is a Web App made using ReactJS, NodeJS, Google firebase.

Nutri-check [Link]
- Designed a website which will provide an interesting and a unique way to find and surf through a collection of **healthy recipes** that fit best with at least 6 nutrients to choose from.

YOLO Social Media App [Link]
- Worked on a learning-based project with Python-Django for backend and Bootstrap for frontend. It has all the basic features of a social media like posts, likes, comments and friends.

ADDITIONAL EXPERIENCE AND AWARDS

1st Runner Up at Hackathon
- **1st Runner Up** at HackIT hackathon at **BVEST19**. Presented the project Tre-way and secured 2nd position after working for more than 24 hours.

E-Yantra 2020
- Designed a Ball balancing platform successfully through a series of tasks. Completed all the tasks for the theme **Nirikshak Bot** and came out as **Top 15** teams from all over India.

National Record [Link]
- Broke **National Record** for solving **Rubik's Cube** with feet with a time of (**33.87 seconds**) on 9 Nov 2017 at SRCC.

1st Prize winner at ENCON
- Projects from various schools from Delhi were exhibited at **ENCON, SVC** and **ATTAC** was awarded the **1st prize**. The project is an improvised design that uses Recycled Water Filters to purify Air.

Film Making Competition
- Secured 1st position in the film making competition on theme **Women Equality - A Mirage.**

Skills
- **Programming:** JavaScript, C#, C++, Python, HTML, CSS.
- **Frameworks and Libraries:** ASP.NET Core, NodeJS, ReactJS, ExpressJS, Bootstrap, Django.
- **Backend:** SQL, NoSQL, MongoDB, Rest API, Json.
- **Tools:** Git, VSCode, Visual Studio, Azure DevOps, Docker.
- **Others:** Data Structures, Object Oriented Programming, Algorithms, Agile and Scrum, MVC Architecture, Unit and Integration Testing.
- **Languages:** Hindi, English.

Interests
- Music, Rubik's Cube, Cricket, Basketball, Photography, Cooking, Travelling.

Organisations

Capital Cubing (2017 - 2018)
- Member of a cubing community in Delhi named Capital Cubing. Volunteered in more than 10 competitions with the management team in organising.