Aryan Bansal

CSD Student · 3rd Year

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"Instinct is a lie, told by a fearful body, hoping to be wrong."

Personal Profile

I am studying at the International Institute of Information Technology, Hyderabad (IIITH) where I am pursuing a dual degree in BTech and MS. In my free time, I am an avid gamer and coordinator of the gaming club at IIITH. I love staying up to date with the latest happenings in the gaming world and am always on the lookout for new and exciting games to play. I also have a passion for cyber security and ethical hacking, and I spend a lot of my time learning about new techniques and ways to keep myself and others safe online. When I'm not gaming or studying, you can catch me cheering on my beloved FC Barcelona, the football club I fell in love with during my childhood.

Education

IIIT Hyderabad   *Hyderabad, India*

B.Tech and Master of Science by Research in Computer Science   *Nov 2021 - Current*

- Coordinator of The Gaming Club of IIITH (TGC)
- Handles the social media accounts and marketing for Felicity (Annual Fest)
- A mentor of the Apex community
- **Electives:** Data Visualization, Introduction to Information Security, Introduction to Brain and Cognition

Deen Bandhu Public School   *Delhi, India*

Higher Secondary Education   *Apr 2019 - Apr 2021*

- Passed with 81.6% marks in CBSE
- **Subjects:** Mathematics, Physics, Chemistry, English, Physical Education

Delhi Public School Noida   *Noida, India*

Secondary School (Matriculation)   *Apr 2007 - Apr 2019*

- Passed with 95% marks in CBSE
- **Subjects:** Mathematics, Physics, Chemistry, Biology, History, Political Science, Geography, Economics, English

Work Experience

Nethues Technologies   *Delhi, India*

React Developer   *May 2023 - July 2023*

- Developed React expertise through comprehensive and professional training from experts at Nethues, contributing to successful projects.
- Cultivated deep understanding of latest advancements and methodologies, stayed up-to-date with cutting-edge trends, adopting industry best practices for exceptional work.
- **Technical Skills:** Linux Tools, MERN Stack, React, Javascript, Git, HTML, CSS, Redux, Docker, Material UI

Unicorn Ventures   *Noida, India*

Software Engineer   *June 2020 - Oct 2021*

- Collaborated cross-functionally to develop and maintain the company's website, using modern web technologies like HTML5, CSS3, JavaScript, and MERN. Implemented digital marketing campaigns and SEO strategies, resulting in an impressive 80% increase in website traffic.
- Managed and enhanced the company's internal software systems, encompassing inventory management and order tracking. This involved seamless coordination with the software team and ensured smooth operations while optimizing efficiency and productivity.
- **Technical Skills:** Linux, Linux Tools, Git, HTML, CSS, Javascript, MERN Stack, Redux, Docker, Shell Scripting

Projects

DotCom Linux Shell   *Hyderabad, India*

IIIT Hyderabad   *Aug 2022 - Sep 2022*

- Making a Linux Shell complete from scratch using C, the shell had full implementation of Job-Control and Auto-Completion.
- Many third party binaries and scripts were coded directly into the shell to make it usable and functional right out of the box.
- **Links:** GitHub
- **Technical Skills:** C Language, Git, Shell Scripting, Linux, Operating Systems

XV7 RISC-V OS
Hyderabad, India

IIIT Hyderabad
Oct 2022 - Nov 2022

- Improvising on the existing skeleton of XV6 RISC-V Operating System created by MIT and making it feature rich.
- The user can now choose their preferred scheduling algorithm, test it out using curated scripts and many more functionalities added.
- **Links:** GitHub
- **Technical Skills:** C Language, Assembly, Makefile, Git, Shell Scripting, Linux, Operating Systems

Website for Startup
Noida, India

Unicorn Ventures
June 2020 - July 2020

- Developed the website for a startup Unicorn Ventures and maintaining it in a modular fashion.
- **Link:** Website
- **Technical Skills:** MERN Stack, Javascript, Bootstrap, Git, Linux Tools,

Campus Canine Tracker
Hyderabad, India

IIIT Hyderabad
Feb 2023 - Apr 2023

- Employed React Native, JavaScript, Redux, Firebase, etc. to architect and develop a cross-platform mobile application for both Android and iOS. Built the app from scratch, ensuring optimal performance and user experience.
- Orchestrated the entire development process, from ideation to deployment, ensuring code quality, scalability, and superior performance.
- **Technical Skills:** MERN Stack, React Native, Git, Linux Tools, Redux, Firebase, Javascript, OneM2M

Product Tracker Website
Delhi, India

Nethues Technologies
May 2023 - May 2023

- Developed an Amazon like clone which tracks users (login/registration) and allows them to add or delete products.
- Employed React Native, JavaScript, Redux, etc. to architect a dynamic website, ensuring optimal performance and user experience.
- **Links:** GitHub
- **Technical Skills:** MERN Stack, Git, Linux Tools, Redux, Javascript, Docker,

Codeforces Visualiser
Hyderbad, India

IIIT Hyderabad
March 2023 - Apr 2023

- Scraped data using Codeforces API and used it to visualise all sorts of userbase, problem-sets, contests analysis and make inferences.
- Created beautiful and interactive visualisations using D3.js libarary.
- **Links:** GitHub, YouTube
- **Technical Skills:** D3js, HTML, CSS, Javascript, Git,

Certifications

Advanced Artifial Intelligence and Machine Learning
India

NIT Warangal
Oct 2021

- **Technical Skills:** Python, Numpy, Pandas, Scikit-Learn, Matplotlib, Tensorflow, Keras, PyTorch, CNN, RNN, GAN, Data Pre-processing, Cleaning, Feature Engineering, Data visualization, Linear Regression, Logistic Regression, Decision Trees, Random Forests, Clustering, Naive Bayes, SVM

Full Stack Web Development Course - MERN Stack
India

Coding Shuttle
Jan 2023

- **Technical Skills:** HTML, CSS, Javascript, MongoDB, ExpressJS, React, NodeJS, Redux, Bootstrap, Postman, CRUD API's

Network Security Expert 1
India

Fortinet
Sep 2022

- **Technical Skills:** Network Architecture and Design, Routing and Switching Protocols, Firewalls and IPS, VPN's, Secure Remote Access, IAM, Secure Mail and Web Gateways, SIEM Systems, Threat Detection and Response, Penetration Testing and Vulnerability Assessment, Malware Analysis and Reverse Engineering, Cryptography and PKI,

Achievements

2021	**Rank 38,** UGEE	*India*
2021	**AIR 5518,** JEE Mains	*India*
2016	**Winner,** ATA Open Tennis Championship	*India*
2013	**Winner,** Intersection Football Tournament	*India*
2013	**Level 8,** Abacus I Brain	*India*