

# VASU BANSAL

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electrical Engineering IIT (BHU), Varanasi	8.53	2023
CBSE (XII)	Harpal Singh Convent School	85.00	2018
IGCSE (X)	MDK International School	82.00	2016
SKILLS			
<ul style="list-style-type: none"><li><b>Programming Languages:</b> C, C++, JavaScript, Dart, HTML, CSS</li><li><b>Technologies:</b> Android, ReactJs, NodeJs, Express, Flutter, Firebase, Socket.io, Git, GitHub, MySQL, MongoDB</li><li><b>Area of Interests:</b> Software Development, Mobile App Development, Data Structures and Algorithms</li></ul>			
INTERNSHIP/TRAINING			
<b>Bajaj Auto Pvt. Ltd. - Software Development Intern</b>			May'22 - Jul'22
<ul style="list-style-type: none"><li>Created <b>Android library</b> to sandbox the process of installing/updating of APK to tackle the potential security issues related to sharing of APK.</li><li>Tested multiple HTTP libraries and integrated "Volley" with the android app via Java Native Interface.</li><li>Replaced lower-level APIs that are deprecated in the android above 10.0, also worked with CAN-specific protocols.</li><li><b>Exposure:</b> Java, Android Libraries, Native Android Development</li></ul>			
<b>Mezami - App Development Intern</b>			May'21 - July'21
<ul style="list-style-type: none"><li>Developed UI using materials and some third-party libraries to add card swipe, and carousel slider functionality.</li><li>Developed <b>chat service</b> using a Redis server, socket.io, and SQL database for message storage.</li><li>Used <b>Trie</b> to create <b>Search Engine</b> and auto-complete feature and released it on Google play store.</li><li><b>Exposure:</b> Flutter, Chat System, Web-Sockets Git, REST APIs</li></ul>			
PROJECTS			
<b>HappyMinds - CTO</b>			May'20 - Mar'22
<i>Mental health consulting application</i> <ul style="list-style-type: none"><li>Created the <b>startup</b> from scratch, worked closely with building MVP, and successfully sold the startup.</li><li>Developed the UI for 20+ screens and added new features, also improved APIs CRUD mechanism by 20%.</li><li>Added the <b>Razorpay</b> payment gateway and inbuilt money wallet functionality.</li><li>Developed an end-to-end encrypted chat service using <b>AES</b> algorithms for encrypting and decrypting messages.</li><li>Implemented a <b>research paper</b> by prof. from <b>Cornell University, New York</b> which predicts users' mental health conditions from their phone usage and recommends therapy.</li><li>Worked on <b>cross-platforms</b> to make app work on both android and iOS also released it on Play Store and App Store.</li><li><b>Exposure:</b> Flutter, Software optimization, React.js, TypeScript, Payment gateway, Chat System, iOS, Android</li></ul>			
<b>Scaape - Co-Founder</b>			Sep'21 - Present
<i>Geo-Socialization application</i> <ul style="list-style-type: none"><li>Developed lightweight <b>searching and filtering</b> algorithms for nearby scaapes using <b>Dijkstra's algorithm</b>.</li><li>Worked with <b>AWS EC2</b>(Graviton Based Instance) and implemented <b>chat service</b> using FCM.</li><li>Created back-end server in <b>Node.js</b> with SQL database and used google authentication service using firebase.</li><li>Scored <b>5th place</b> globally in 5G edge computing challenge with AWS with prize money of \$2500.</li><li><b>Exposure:</b> AWS EC2(Graviton Based Instance), SQL, RTMP server, Flutter, Node.js</li></ul>			
<b>Safe Women</b>			Oct'20 - Dec'20
<ul style="list-style-type: none"><li>Created app for women's safety, so that their loved ones can have an eye on her even without GPS or internet.</li><li>Created the functionality that automatically sends location via SMS using method channels in JAVA.</li></ul>			
POSITION OF RESPONSIBILITY			
<ul style="list-style-type: none"><li><b>Entrepreneurship-Cell:</b> Assisted startups associated with E-Cell in raising a total funding amount of INR 1 Crore.</li></ul>			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none"><li><b>Specialist</b> on Codeforces (<b>Rating: 1475</b>) <a href="#">vasu_bansal</a></li><li>Solved <b>700+ Leetcode</b> problems, Top Ranks (<b>76 / 13370, 600 / 15631, 604 / 14320</b>)</li><li>Global scored <b>5th position</b> in 5G edge computing challenge with AWS with prize money of <b>\$2500</b></li><li>All India JEE Advanced Rank (<b>2480 / 161319</b>)</li></ul>			

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