

# Aman Kumar Verma

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## EDUCATION

<b>International Institute of Information Technology, Bangalore</b> <i>M.Tech (Computer Science and Engineering)</i>	July. 2022 – July 2024 3.33/4
<b>Bhilai Institute of Technology, Durg</b> <i>B.Tech (Computer Science and Engineering)</i>	July 2017 – May 2021 76%

## EXPERIENCE

<b>AWS Back-End Developer</b> <i>Gobaskt.Inc</i>	July 2021 – August 2022 <i>Remote, USA</i>
<ul style="list-style-type: none"><li>Designed and developed end to end Backend for Cheap Vehicle Rentals and developed REST APIs using Lambda Services in Python with AWS RDS PostgreSQL as database.</li><li>Key features - Email notification, Invoice generation, Payment integration using PayPal, Guest, User and Admin Login</li></ul>	
<b>IVR and Chatbot Developer Intern</b> <i>Gobaskt.Inc</i>	Jan 2019 – June 2020 <i>Remote, India</i>
<ul style="list-style-type: none"><li>Developing robust multilingual chatbots and IVR bots using Dialogflow and AWS Lex which can schedule doctor's appointments for any user through chat and voice call using AWS Connect</li><li>Services used are Dialogflow, AWS Lex, AWS Connect.</li></ul>	

## PROJECTS

<b>Doctor's Appointment Scheduler with chatbot and IVR</b> <i>Flutter, Dialogflow, AWS Lex, Connect, DynamoDB, Python</i>	Jan 2021 – April 2021 <i>Code, Application Link</i>
<ul style="list-style-type: none"><li>Mobile App to schedule appointments through chatbot and IVR call</li><li>Firebase for user authentication along with AWS DynamoDB as database and API Gateway for rest APIs with custom auth flow</li></ul>	
<b>PushD++ - An Anti Depression App</b> <i>React Native, Firebase</i>	Jan 2023 – April 2023 <i>Code, Application Demo</i>
<ul style="list-style-type: none"><li>Mobile App for users who are depressed and connecting them with doctors based on their depression severity data which is calculated using several standard tests</li><li>Implemented Login, Audio player, Self Help Podcasts, Video player, functionality where doctor can send videos, audios and articles to their assigned patients. Also added doctor to patient real-time chat using Firebase SCM.</li></ul>	
<b>TA Management using AWS CodePipeline</b> <i>React, AWS CodePipeline, Terraform, AWS RDS, AWS Lambda</i>	Jan 2023 – April 2023 <i>Code</i>
<ul style="list-style-type: none"><li>Website where student can apply for TAs, Professors can Accept/Reject TA requests and create TAs with requirements with required eligibility</li><li>Implemented multi-environment (dev and prod) CI/CD Pipeline for Rest APIs and Lambda functions using AWS Codepipeline, Terraform and Github</li></ul>	

## TECHNICAL SKILLS AND CERTIFICATIONS

**Languages and Frameworks:** C/C++, Python, Flutter, React Native, Dart, Javascript  
**Developer Tools:** AWS Cloud, Unix, REST APIs, Terraform, Github, Docker, CI/CD Pipeline, Jenkins, PostgreSQL/MySQL, HTML/CSS  
**Certifications:** AWS Fundamentals: Building Serverless Applications (Coursera), Building Conversational Experiences with Dialogflow (Coursera), Snowflake - Essential Data Warehousing certification (Snowflake)

## MENTORSHIP

<b>Teaching Assistant (Software Systems)</b>	July 2023 – Present
<ul style="list-style-type: none"><li>Organizing interactive teaching and laboratory sessions with M.Tech. students on various topics in the Software Systems course</li></ul>	