

# Anubhav Apurva

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## PROFESSIONAL SUMMARY

Currently, I am pursuing MSc Computer Science at the University of Southampton. Prior to this, I worked as a software developer at HPE for 4 years, specializing in the development of large-scale software products while adhering to agile development methodologies. I am a collaborative team player with the ability to lead modules independently. I am enterprising and have a track record of producing innovative solutions, proof-of-concepts (PoCs), and papers. My strengths lie in my ability to understand customer requirements, translate them into high-level designs, and produce high-quality applications that not only fulfil the needs of users but also contribute to a positive user experience.

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## EDUCATION

- 2022-2023      **University of Southampton, Southampton, U.K.**  
**Master of Science (MSc) - Computer Science**  
Modules: Advanced Programming Techniques, Advanced Databases, Web and Cloud Development, Machine Learning, Natural Language Processing, Cyber Security, Computational Finance & Blockchain.
- 2021-2022      **International Institute of Information Technology (IIIT), Bangalore, India**  
**Post Graduate Diploma - Cloud Computing**  
Modules: Cloud Architecture, Distributed Systems, Cloud Databases, Design Patterns, Microservices and Serverless Development (AWS, Docker, Kubernetes, Kafka, Java Spring Boot).
- 2014-2018      **Manipal institute of Technology, Manipal, India**  
**Bachelor of Technology (B. Tech) - Computer and Communication Engineering**  
Modules: Operating Systems, Databases, OOP, Data Structures, Algorithms, Computer Architecture, Parallel Programming, Network Design, Software Engineering, etc.

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## WORK EXPERIENCE

- June 2023 - Ongoing      **Intern – Backend Development**  
**Lifepoint.fit**  
As an intern at Lifepoint.fit, an early-stage startup, I am building the backend of positive coaching web-platform from the ground up. My main tasks include developing REST APIs, with MongoDB for data storage and Apache Kafka for stream processing.  
Languages/Technologies: Java, Spring Boot, MongoDB, Apache Kafka, Landbot.
- 2018 – 2022      **Software Engineer II**  
**Hewlett Packard Enterprise (HPC & AI lab)**
- **NonStop Servers and SQL/MX Database**
    - Implemented features - DUAL table, NEXT\_DAY(), TO\_NUMBER(), INSTR()
    - Made enhancements in cardinality estimates and join enumeration algorithms.
    - Developed infrastructure for storing LOB datatypes.
    - Resolved one major and one critical escalation.
    - Language: C++, Shell
  - **Database as a Service**
    - Led the design and implementation of control plane to provision and manage SQL/MX databases using REST APIs.
    - Features include deployment and deletion of database, adding and removing users, configuring storage, changing user's privilege levels, and starting and suspending of data sources.
    - Languages/Technologies: Python, Java, Spring Boot, JavaScript, React JS.

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## RECENT ACADEMIC PROJECT

### BookMyConsultation

- A microservice architecture-based doctor consultation booking application. The application has five microservices and an API Gateway including Load Balancer. It can be deployed with or without Docker.
- Languages/Technologies: Java, Spring Boot, Apache Kafka, Docker, Amazon EC2, Amazon RDS.
- Github Link: <https://github.com/a11apurva/BookMyConsultation>

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## PUBLICATIONS AND PATENT APPLICATION

Jul 2020	<b>Relevance Feedback Based Citation Recommendation for Scholarly Publications</b> IEEE proceedings of International Conference on Electronics, Computing and Communication Technologies 2020. Authors: Anubhav Apurva, Aditya S. Verma, Dr. Tribikram Pradhan.
Apr 2019	<b>Method for Classifying Log Files</b> (Patent Application) US20200349112A1, IN201941017235 Authors: Anubhav Apurva, Nallasamy Jayasankar
Sep 2017	<b>Aiding the visually impaired: Developing an efficient braille printer</b> IEEE proceedings of Advances in Computing, Communications and Informatics 2017. Authors: Anubhav Apurva, Anupam Misra, Palash Thakur.

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## VOLUNTEERING

Nov 2022 - Sep 2023	<b>Sustainability Representative</b> Southampton University Student Union, Southampton, UK
Jan 2015 - Dec 2017	<b>General Secretary</b> Robotics Society, Manipal University, India
Jan 2015 - Jan 2017	<b>Lead of School Contact Programme</b> Akshay Urja (Renewable Energy Sources) Society, Manipal, India

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## PART TIME WORK

Dec 2022 – June 2023	<b>Safety Steward</b> Southampton Football Club, Southampton, UK
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## CERTIFICATIONS

Aug 2019	<b>Machine Learning</b> Stanford Online
Jun 2016	<b>Cloud Fundamentals</b> Microsoft Technology Associate

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## AWARDS AND RECOGNITION

Aug 2020	Early Career Technologist - HPE	Jun 2016	National Finalist - Microsoft Imagine Cup
Jun 2018	Winner - HPE Intern Project Fair	Oct 2015	Winner - Microsoft code.fun.do
Apr 2016	Best Paper Award - Quark-2016, BITS Goa	Oct 2016	Runner-up - Manipal University Innovation Challenge, Manipal
Oct 2017	Zonal Winner - Network and Cyber Security Championship, IIT-Hyderabad		

