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. I am a quick learner who brings enthusiasm to every situation and possesses effective communication, collaboration, and curiosity skills. 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.

EDUCATION

2022-2023 (ongoing)

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, 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, 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.

WORK EXPERIENCE

June 2023 - Ongoing

Intern – Backend Development

Lifeprint.fit

As an intern at Lifeprint.fit, an early-stage startup, I am building the backend of a .NET web platform from the ground up. My main tasks include developing REST APIs in C#, with MongoDB for data storage and Apache Kafka for stream processing.

Languages/Technologies: C#, MongoDB, Apache Kafka, Landbot.

2018 – 2022

System Software Engineer II

Hewlett Packard Enterprise (HPC & AI lab)

- *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, Shell, JavaScript, React JS, Node JS, MongoDB.
- *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.
  - Language: C++

RECENT PERSONAL 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, SpringBoot, Apache Kafka, Docker, Amazon EC2, Amazon RDS.
- Github Link: https://github.com/a11apurva/BookMyConsultation

PUBLICATIONS AND PATENT APPLICATION

Jul 2020 **Relevance Feedback Based Citation Recommendation for Scholarly Publications**
IEEE proceedings of International Conference on Electronics, Computing and Communication Technologies 2020.
Authors: Anubhav Apurva, Aditya S. Verma, Dr. Tribikram Pradhan.

Apr 2019 **Method for Classifying Log Files** (Patent Application)
US20200349112A1, IN201941017235
Authors: Anubhav Apurva, Nallasamy Jayasankar

Sep 2017 **Aiding the visually impaired: Developing an efficient braille printer**
IEEE proceedings of Advances in Computing, Communications and Informatics 2017.
Authors: Anubhav Apurva, Anupam Misra, Palash Thakur.

VOLUNTEERING

Nov 2022 - Sep 2023 **Sustainability Representative**
Southampton University Student Union, Southampton, UK

Jan 2015 - Dec 2017 **General Secretary**
Robotics Society, Manipal University, India

Jan 2015 - Jan 2017 **Lead of School Contact Programme**
Akshay Urja (Renewable Energy Sources) Society, Manipal, India

PART TIME WORK

Dec 2022 – June 2023 **Safety Steward**
Southampton Football Club, Southampton, UK

CERTIFICATIONS

Aug 2019 **Machine Learning**
Stanford Online

Jun 2016 **Cloud Fundamentals**
Microsoft Technology Associate

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		