

# Nissar Ahmed Pinjari

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## EDUCATION

**Northeastern University**, Boston, MA

Jan 2021 – April 2022

Candidate for a Master of Science in Computer Science

GPA : 3.83/4.0

Related courses: Web Development Using MERN Stack, Algorithms, Natural Language Processing.

**Sreenidhi Institute Of Science and Technology**, Hyderabad, India.

Aug 2015 – April 2019

Bachelor of Engineering in Computer Science and Engineering

GPA: 8.87/10.0

Related courses: Agile Software Development, Object Oriented Programming, Data Structures, Databases, Operating Systems.

## TECHNICAL KNOWLEDGE

**Languages & Tools:** C, C++, Java, Python, JavaScript, PySpark, Hadoop, Pig, Hive, Sqoop.

**Databases:** MySQL, Oracle SQL, MongoDB, PostgreSQL.

**Technologies & OS:** Linux, Windows, HTML, CSS, React.js, Node.js, Git, Docker, Big Data, Machine Learning, NLP.

**AWS services:** EC2, S3, SES, Lambda, Route 53, ELB, CFT, ACM, RDS.

## WORK EXPERIENCE

**INFOSYS**, Hyderabad, India.

Jun 2019 – Dec 2020

Specialist Programmer (Software Development Engineer)

### POLICY DOCUMENT COMPREHENSION (NIA CHATBOT RESEARCH AND DEVELOPMENT TEAM)

- Built Reading Comprehension Platform for internal use of Infosys employees by using state of the art recent advances in NLP and Deep Learning using TensorFlow.
- Implemented and compared the performances of various algorithms such as Bert, RoBERTa, DistilBert and XLNet and optimized for our use cases considering business objectives. Performed on Model Robustness tasks with the aim of optimizing the models.
- Used Flask-RESTPlus for building the front end of the platform and utilized Docker for containerization.

### UNIFIED DATA PLATFORM (UDP)

- Developed an efficient and reliable big data analytic system on Microsoft Customer Service and support data using spark engine and python programming on Azure Databricks platform.
- Performed ETL tasks on the extracted data from Legacy systems and providing data to end users in cube and mart to generate reports.

## PROJECTS

### Northeastern Learns

- Built a highly scalable full stack learning platform using React and NextJS in the client side with Mongo Atlas as Managed Database Service in the cloud.
- Integrated AWS S3, SES, EC2 for cloud hosting, IAM for Identity and access management and Route 53 with custom rules.

### Full Stack E-Commerce Website

- Developed a complete E-Commerce website using React Redux Node MongoDB and Ant Design.
- Implemented CRUD to categorize and subcategorize all the products with 8 way filtering/searching, product rating, multiple payment gateways and invoice generation.

### Extremely Low Resource Neural Machine Translation from Sanskrit to English

- Developed Node.js script for scraping the web, pre-processing and saving Sanskrit-English sentence pairs in csv file.
- Implemented the Transformer architecture from scratch in TensorFlow with various parameters tuned to suit our use-case and achieved an average BLEU score of 9.116 with only 38K sentence pairs.

## PUBLICATIONS

- Research Paper on “Comparative Analysis of Genomic Personalized Cancer Diagnosis by Machine Learning Approaches ROC Curve” in Springer (link: <https://rdcu.be/cfBpx>).

## ACHIEVEMENTS

- Data Analytics Diploma issued by IBM as part of Innovation Centre For Education.
- Stood in top 100 out of 50000 Student Participants in HACKWITHINFY Hackathon conducted by Infosys.
- Smart India Hackathon 2k18 Final Qualifiers conducted by Government of India which was India's largest hackathon
- ACM-ICPC International Coding Competition regional qualifiers 2k17 (Amruthapuri region).