

**Nishchith Rao Palimar Raghupathi**  
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Available: May 2024 – December 2024

## EDUCATION

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<b>Northeastern University</b> , Boston, MA <b>Khoury College of Computer Sciences</b> Candidate for a Master of Science Degree in Computer Science Related courses: Programming Design Paradigm, Algorithms, Database Management, Natural Language Processing	<i>Sept. 2023 – Present</i> <i>Expected graduation: May 2025</i>
<b>Presidency University</b> , Bangalore, India Bachelor of Technology in Computer Science and Engineering, GPA: 3.6/4.0 Related courses: Object Oriented Programming, Data Structures, Machine Learning	<i>June 2018 – June 2022</i>

## TECHNICAL KNOWLEDGE

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<b>Languages:</b>	Java, Python, JavaScript, C++
<b>Databases:</b>	MySQL, MongoDB, PostgreSQL, Redis
<b>Technologies:</b>	Docker, Git, PyTorch, Pandas, CSS, HTML, Hadoop, Spark, Spring Boot, Kafka
<b>Certifications:</b>	Machine Learning A-Z: Python in Data Science, Google Cloud Computing by NPTEL

## WORK EXPERIENCE

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<b>Graduate Teaching Assistant</b> at <b>Northeastern University</b> , Boston, MA <ul style="list-style-type: none"><li>Working as a Teaching Assistant for the course <b>Database Design</b> (CS 3200) under Prof. John Alexis Guerra Gomez.</li><li><b>Managed around 100+ students</b>, graded assignments, exams and conducted online Database Design lectures to students.</li></ul>	<i>Jan 2024 – Present</i>
<b>Associate Software Engineer</b> at <b>Capgemini Technology Services</b> , Bangalore, India <ul style="list-style-type: none"><li>Contributed significantly on <b>Network Convergence System 4K</b> project handled by <b>Cisco</b>, used Java Swing and XML for development.</li><li>Deployed the Transport Controller GUI into production involving in a <b>performance improvement of the router by 4.5%</b>.</li><li>Catered to the <b>requirements of Verizon</b> for CCNA for improved User Interface and network convergence using optic channels (<b>Statistically improved by 20% at the end of 2<sup>nd</sup> quarter</b>)</li><li>Also completed a 3-month internship as a <b>'Full Stack Developer'</b> working on Spring Boot, Java-8, JavaScript and Angular JS.</li></ul>	<i>June 2022 – July 2023</i>
<b>Machine Learning Intern</b> at <b>Verzeo</b> , Bangalore, India <ul style="list-style-type: none"><li>Involved in a project which focused on <b>Gender Classification using Twitter</b> tweets. Used NLP techniques, feature extraction and a Logistic Regression model using SKLearn (Python).</li><li>Created image classification model using <b>Multi-Layer Convolutional Neural Networks</b> for object detection using TensorFlow, Keras.</li></ul>	<i>July 2020 – Sept. 2020</i>

## PROJECTS

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<b>Fitness Tracker Application</b> <ul style="list-style-type: none"><li>Created <b>14 REST API endpoints</b> using SpringBoot and Swagger, PostgreSQL as database and ReactJS for Website Design written in Java.</li><li><b>Won 2<sup>nd</sup> place</b> for this application in Verzeo Hack Week, 2022 which was used for calorie tracking, maintaining fitness habits and diets.</li></ul>	<i>June 2022 – Aug 2022</i>
<b>Book Again Retail</b> <ul style="list-style-type: none"><li>A bookstore application using <b>PHP, CSS and SQL</b> that has a variety of functionalities including inventory management and retail system.</li><li>Encompasses a fully secure payment and authentication gateway to make money transactions and offers <b>end-to-end encryption</b>.</li></ul>	<i>Sept 2022 – Dec 2022</i>
<b>Deep Learning Churn Modelling</b> <ul style="list-style-type: none"><li>Created a <b>multi hidden layer Artificial Neural Network</b> using <b>sigmoid activation function</b>, trained using <b>Adam optimizer</b>.</li><li>ANN achieved a <b>performance of 86.15%</b> in predicting whether a new bank customer will stay or leave with own provided details.</li></ul>	<i>Jan 2021 – March 2021</i>
<b>Twitter User-Gender Classification</b> <ul style="list-style-type: none"><li>Used <b>WordNetLemmatizer</b> for pre-processing and <b>Count Vectorizer</b> for feature extraction to clean the tweets using SKLearn (Python).</li><li>Predicted the gender of a particular tweet written by using a <b>Support Vector Machine</b> and with an <b>accuracy rate of 82%</b>.</li></ul>	<i>Aug 2020 – Dec 2020</i>