

ABHISHEK DINKAR RAUT

30 Leroy St, Binghamton, NY 13905 | (607) 444-2396 | araut1@binghamton.edu | www.abhishekraut.com

EDUCATION

Binghamton University, State University of New York Master of Science in Computer Science	August 2017-May 2019 GPA: 3.35/4.00
Sant Gadge Baba Amravati University, Amravati, India Bachelor of Engineering in Electronics and Telecommunication Engineering	August 2010-May 2014 GPA: 4.00/4.00

TECHNICAL SKILLS

- Java, Python, C#, C++, C, PL/SQL, HTML, CSS, JavaScript
- .NET Framework, Spring Framework, Ruby on Rails, Node.js, ReactJS, Redux, SOAP, REST, MS SQL Server, PostgreSQL, MongoDB
- Google Cloud Platform, Amazon AWS, TensorFlow, Docker, Kubernetes, Selenium, Maven, Ant, Git, TFS, Shell
- Agile Methodology, Scrum, Maintenance, Debugging, SDLC, TDD, CI/CD pipeline, Microservices, Client-facing, Leadership, Artificial Intelligence (Four Research publications)

EXPERIENCE

Live in Bing, Binghamton, NY Data Science Intern	May-August 2018
<ul style="list-style-type: none">• Built a web application and Recurrent Neural Network machine learning model (Python, Flask, SQLite, and TensorFlow) for processing real estate data to predict Property rent and achieved a 5% revenue increase	
Last Minute Preparation, Amravati, India CEO and Founder	December 2015-July 2017
<ul style="list-style-type: none">• Collaborated with a cross-functional team of seven individuals to provide Software training to 600+ undergraduate engineering students and achieved 250+ IT placements• Developed a Student Enrollment software (ASP.NET MVC 5) for Sipna College of Engineering and Technology, India	
Infosys Limited, Mysore, India Systems Engineer (.NET Developer)	December 2014-December 2015
<ul style="list-style-type: none">• Document Management System: Provided full life cycle support to the client (Infosys) from initial client interaction and requirement analysis through design, coding, testing, debugging, software implementation, and integration (Client rating: 5.8/6.0)• Maker-Checker Browser: Developed a LOB application for Infosys's claims processing workflow with features for Document Management, Profile Management, Audit Trail, and Reports• Large File Master Client: Developed a LOB application to upload media resources to the server and manage audio, video, and image contents with size above 40 MB	

PROJECTS

Medical Image Registration System Research Project, Professor Dr. Weiying Dai's Lab, Binghamton University, NY	February 2018–December 2018
<ul style="list-style-type: none">• Developed a Deep Learning tool (Python) for registering Computerized Tomography scan of the Kidney• Built a Registration Framework based on a three-dimensional Convolutional Neural Network that directly learns transformations between pairs of three-dimensional images	
GPS Coordinates Emergency Alert Application Academic Project, Binghamton University, NY	August 2018- December 2018
<ul style="list-style-type: none">• Developed an Android application with functionality to send a Location Alert message while saving critical time during an emergency• Used Accelerometer sensor and Kalman Filter Algorithm to recognize Shake Gesture and Google Fused Location Provider API	
Recommender System Academic Project, Binghamton University, NY	January 2018-May 2018
<ul style="list-style-type: none">• Developed a recommender system (Java) using the Collaborative filtering approach• Used Item-based Collaborative filtering and Adjusted cosine similarity to compute the item similarity• Predicted the missing values for a user by the Weighted sum approach	
Smart Gas Stove Research Project, Massachusetts Institute of Technology (MIT) Media Lab, Mumbai, India	January-February 2014
<ul style="list-style-type: none">• Designed a Smart Gas Stove with Smartphone functionality for Burner Dial settings and Timer using Raspberry Pi to control Servo Motor by Android application over Wi-Fi• Achieved a 30% increase in cooking time efficiency and a 20% decrease in monthly expenditure for Dharavi Catering businesses	
Control Model of Adaptive Headlight System Independent Work, IETE Cynosure (ICEEE-2013), Lonere, India	August 2012-December 2013
<ul style="list-style-type: none">• Developed an Adaptive Headlight Microcontroller based system (C++) using the CAN bus protocol• Designed the system to adjust the automobile's headlights to curves in the road based on steering rotation and vehicle yaw rotation• Awarded the Institution of Electronics and Telecommunications Engineers (IETE) Mumbai Centre's Young Researchers Award (selected from 110 national and international researchers)	