

# MANOJ BODDU

+1 602-410-2368 | [mboddu1@asu.edu](mailto:mboddu1@asu.edu) | [linkedin.com/in/manumanoj0010](https://www.linkedin.com/in/manumanoj0010) | [manumanoj.me](http://manumanoj.me)

## EDUCATION

### Arizona State University

*Master of Science in Computer Science, Tempe, AZ*

Aug 2021 – Dec 2022

3.72/4.0 CGPA

### Vellore Institute of Technology

*Bachelor of Technology in Computer Science & Engineering, Vellore, India*

July 2017 – May 2021

8.25/10.0 CGPA

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, Typescript, JavaScript, C++

**Frameworks:** Angular, NodeJS, Flask, Bootstrap, Express

**Tools & Technologies:** Git, Docker, AWS, Postman, Heroku, Jira, Agile

**Cloud Technologies:** EC2, S3, Lambda, RDS, API Gateway

**Databases:** PostgreSQL, MySQL, Microsoft SQL Server, MongoDB

## EXPERIENCE

### Software Engineer Intern

*ESRI*

May 2022 – Dec 2022

*Redlands, CA*

- Migrated some of the ESRI internal legacy apps from LUCEE CFML technology to Angular and NodeJS with AWS Serverless framework.
- Developed Angular higher order component in frontend to setup authentication using OKTA, SAML (OAUTH)
- Developed REST APIs and lambda functions using NodeJS, AWS Lambda and AWS API gateway
- Created various CronJob workflows for updating the ESRI's employees time sheets data on a scheduled time and also as manually when in need.

### Web Developer Intern

*Toroid Technologies*

May. 2020 – Jun 2020

*Mumbai, India*

- Migrated the PDF generation of Invoice from EC2 instances to a Serverless application on AWS Lambda and leveraged the use of SQS and S3 services, leading to a 40% reduction in overall Operational costs and CPU utilization.
- Coordinated with Key Stakeholders and Business Analysts to understand system requirements. Followed an agile development process to devise new solutions with prototypes.
- Technologies used are Angular, NodeJS, AWS Lambda, SQS, S3 Bootstrap

### Web Developer Intern

*Delineate Innovations*

Jan 2019 – Mar 2019

*Mumbai, India*

- Collaborated with the team to design and implement a new website according to the client's requirements.
- Active participation in the development process through the entire software Life-cycle under Agile methodology and participated in weekly meetings with executives, supported brainstorming and idea generation
- Worked on JIRA for defect/issues logging & tracking and documented all my work using CONFLUENCE

## PROJECTS

### Country Details | *Python*

- Developed and published a python package for countries data in the official Python Package Index
- The package has been developed with all the exception handling cases, doc-strings and proper documentation
- Users can install and use it using pip install country-details from their terminal

### Converter PDF BOT | *Python, Heroku, Telegram*

- A telegram bot that helps in converting multiple images to PDF with JPG, JPEG, PNG files supported with zero additional compression
- Additionally, the bot can also convert 40+ different file formats to PDF.
- Hosted on Heroku and users can use it from their telegram app by calling convert\_pdf\_bot

### Connect Four | *Java*

- Developed the connect Four game with Java that enables to play the game locally
- Utilized object-oriented programming principles to create users and relations
- Created a simple AI player using Minimax with alpha beta pruning that can block winning moves of opponent and plays winning moves if there exist