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# Naga Sai Katakamsetty

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Seasoned Software Engineer with 15 years of expertise in developing robust applications using C#, ASP.NET, React JS, SQL Server and various web technologies. Experienced in legacy systems like VB6. Skilled in implementing CI/CD pipelines using Jenkins and creating detailed reports with Crystal Reports. Currently transitioning into Machine Learning and Generative AI, having completed specialized courses from Stanford and DeepLearning.ai in Machine Learning, Deep Learning, and NLP. Equipped with hands-on experience in fine-tuning Large Language Models through AWS training. Seeking to leverage this diverse skill set to contribute to cutting-edge projects in Machine Learning and Generative AI Engineering.

## WORK EXPERIENCE

<b>Capgemini • Hyderabad, India + Chicago, USA</b> <b>Lead Developer / Technical Manager • Full-time</b>	<b>10/2014 – Present</b>
<b>Mindtree • Hyderabad, India</b> <b>Senior Software Engineer / SDET • Full-time</b>	<b>12/2012 – 10/2014</b>
<b>Sreeven Infocom Limited • Hyderabad, India</b> <b>Software Engineer • Full-time</b>	<b>06/2010 – 12/2012</b>

## CERTIFICATIONS

### AWS Certified AI Practitioner

AWS

### AWS Certified Cloud Practitioner

AWS

### Machine Learning Specialization

DeepLearning.ai

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DeepLearning.ai

### Artificial intelligence Nanodegree

Udacity

### Generative AI with Large Language Models

DeepLearning.ai

### Exploratory Data Analysis for Machine Learning

IBM

### Microsoft Bot Framework, LUIS, and Cognitive Services

Udemy

## SKILLS

### Software Development:

ADO.NET, ASP.NET, Azure Cognitive Services, C#, Crystal Reports, Jenkins, JQuery, LINQ, React.js, SQL Server, SQL Server Integration Services (SSIS), Visual Studio, WCF, WinForms

### AI ML: AWS Bedrock, AWS

SageMaker, Convolutional Neural Networks (CNN), Crew AI, Decision Trees, Deep Learning, EDA, Fine Tuning, Gated Recurrent Units (GRU), Generative AI, Hyperparameter Tuning, Image Recognition, Image Segmentation, Keyword Detection, Large Language Models (LLM), Long Short-term Memory (LSTM), LUIS, Machine Learning, Natural Language Processing (NLP), Neural Machine Translation (NMT), Object Detection, PEFT, Python, Recommender Systems, Recurrent Neural Networks (RNN), Retrieval-Augmented Generation (RAG), RLHF, Speech Recognition, Transformers

## EDUCATION

### Master of Computer Applications

Acharya Nagarjuna University  
01/2006 – 12/2009

## PROJECTS

### **Technical Lead | Discover Student Loans Origination | Capgemini**

Oct 2014 – Present | Hyderabad, Ontario, Chicago

Led development of Discover's Student Loans Origination system, streamlining processes from application to approval.

Key achievements:

- Enhanced agent-facing applications and critical services
- Optimized batch processes, ETL workflows, and business reports
- Migrated legacy Visual Basic applications to C#.NET

Tech Stack: C#, VB.NET, ASP.NET, Windows Forms, WCF, SQL Server, SSIS, Crystal Reports, GitHub, Jenkins.

Demonstrated expertise in leading complex financial projects, modernizing systems, and implementing efficient solutions across international teams.

### **SDET | Windows Azure Backup | Microsoft Corporation**

Jan 2013 – Sep 2014 | Hyderabad, India

Contributed to cloud-based data protection solution, extending Windows Server Backup and System Center Data Protection Manager capabilities.

Key achievements:

- Designed and implemented automation frameworks and multi-layered test systems
- Managed WTT infrastructure for test execution and cleanup
- Conducted thorough bug reporting and resolution

Tech Stack: C#, Windows Test Technologies, Suite P2 studio, Code flow, Azure Management Studio, NEWT

Demonstrated expertise in test automation, QA processes, and cloud technologies for enterprise-level applications.

### **Software Development Engineer | Sreeven Infocom Ltd**

Jun 2010 – Nov 2012 | Hyderabad, India

Developed diverse applications including:

- Mobile-friendly portal
- Payment card registration system
- Government services platform
- Aadhaar-based enrollment client
- Biometric-enabled smart ration card system

Tech Stack: C#, ASP.NET, Windows Forms, JQuery, SQL Server, Oracle 11g, Biometric SDKs

Core skills: Requirements analysis, implementation, code reviews, bug-free delivery, unit testing

Demonstrated versatility in application development and proficiency in various technologies.