

Subrat Panda

Chief Technology Officer, AGNXT

I am currently a AI and ML practitioner with an avid interest in IoT - currently leading technology at Agnext, trying to make a dent into agriculture with AI, we are an awesome team.

Prior to this, I was with Capillary Technologies. Work involves: Improving offline store intelligence using AI and IoT, Using AI to provide insights, recommendations, and personalization in the Retail space.

I worked for Taro, an amazing foodtech startup where I work with MEAN stack along with a load of other exciting things. It is a great platform which unites food lovers with amazing entrepreneurial chefs who cook some of the great recipes from around the world.

Prior to this, I was working as a Performance architect for GPUs in NVIDIA. My role involves validating the performance of GPUs - full chip and building directed test cases for GPU performance validation in OpenGL.

Prior to that, I was working for the verification of Power series processors in IBM where I worked on a unit verification on memory coherence and SMPs. I worked for the Post Silicon Validation group of IBM STG. We work on test generation tools which validate the P-Series processors of IBM. These tools scale from Bare Metal to full scale applications which are used for post-silicon validation.

I worked with the Verification Group of Synopsys India Private Limited for a brief period of 8 months. My PhD thesis work was on - "Simulation Based Verification for Pipelined Processors".

Working and managing Projects sponsored by National Semiconductor (NSC) (USA, Germany and UK), for the past 6 years, Sponsored Research and Industrial Consultancy (SRIC) and Free Scale Semiconductor(8 months) through Global Research Collaboration (GRC) affiliated to Semiconductor Research Collaboration (SRC).

I have worked on various areas involving Design Space Exploration of Processor Architectures, retargeting GNU tool set for processor architectures, Analog CAD, Behavioral Modeling and Verification.